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FLIGHT SAFETY MODELS

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Volume 6

C-141

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SAN ANTONIO AIR LOGISTICS CENTER
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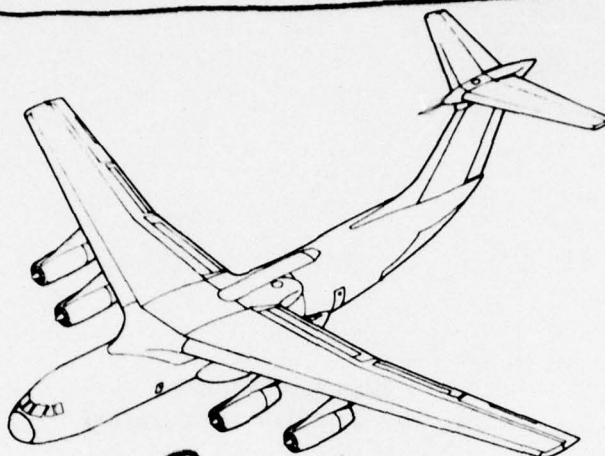
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A general description of the Flight Safety Prediction Technique, and the documentation associated with its specific application to the C-141 aircraft, are presented.

⑨ Final Report
⑥ DEVELOPMENT OF AIR FORCE
FLIGHT SAFETY MODELS
Volume 6, C-141 AIRCRAFT.

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ARINC RESEARCH CORPORATION

HEADQUARTERS
2551 Riva Road
Annapolis, Maryland 21401

SANTA ANA BRANCH
1222 E. Normandy Place
Santa Ana, California 92702

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ABSTRACT

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A general description of the Flight Safety Prediction Technique, and the documentation associated with its specific application to the C-141 aircraft, are presented.

ABSTRACT

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GLOSSARY

This glossary presents general definitions of terms used in this report. The reader will find certain of these terms defined in somewhat different words in the text, depending on the context of the discussion; but the meaning will be consistent with the definitions given here.

- | | |
|---------------------|--|
| Criticality | - A numerical index of the significance of equipment failure history relative to aircraft safety. As an analysis parameter, it can be considered proportional to the likelihood that an item will fail and thereby cause an accident. It is the product of the failure probability and the sensitivity of an equipment item. |
| Dependency | - See link dependency. |
| FSPT | - Flight Safety Prediction Technique |
| Flight Phases | - Discrete segments of the aircraft mission profile. For present purposes, the flight phases are defined as 1) startup and taxi, 2) takeoff, 3) climb, 4) cruise, 5) tactics, 6) cruise, 7) descend, 8) land, and 9) taxi and shutdown. |
| Functional Analysis | - The determination of equipment relationships to aircraft functions performed, and the interrelationships of these functions. |
| Functional Link | - The simplest form of functional relationship in which one function is dependent upon the next lower function. |
| Functional Path | - The compilation of functional links, in sequence, through which a function is identified as being dependent upon another. |
| Link Dependency | - The conditional probability of a dependent function failing, given that a particular function it is dependent upon has failed. |
| Provisory Condition | - Operation of an aircraft in a mode or environment such that the safety-related importance of certain equipments is increased. Provisory conditions include icing, night flight, supersonic flight, etc. |
| Provisory Factor | - The probability that a provisory condition exists. Also used to describe the coded notation used to indicate that a functional relationship is dependent on a particular provisory condition. |
| Safety Sensitivity | - Same as "sensitivity". |

Sensitivity

- A quantitative indication of the degree of safety degradation to be expected if a function or piece of equipment fails. The more specific terms are "functional sensitivity" or "equipment item sensitivity".

Sensitivity Path

- A particular sequence of functional dependencies (beginning at the top level in the hierarchical structure) through which a function or piece of equipment derives a sensitivity value. Equipment and functional sensitivity values are often derived through several such sensitivity paths.

FOREWORD

This document is part of a 16-volume report describing the application to specific aircraft types of ARINC Research Corporation's Flight Safety Prediction Technique (FSPT). The technique was developed under previous Air Force contracts (see Appendix A). The present effort, undertaken in 1972 under Contract F09603-72-A-1132-SA01, has led to further refinement of the FSPT through its broad application to many different types of aircraft. The flight safety models generated for these aircraft are presented in individual volumes of this report as follows:

<u>Volume</u>	<u>Aircraft</u>	<u>Volume</u>	<u>Aircraft</u>
2	T-38	10	B-52G, H
3	F-111A, FB-111A	11	C-130E
4	A-7D	12	KC-135
5	F-4D, E; and RF-4C	13	C-5A
6	C-141	14	T-39
7	A-37	15	F-15
8	O-2	16	UH-1N Helicopter
9	OV-10		

Volume 16 will document the results of a feasibility study of extending the FSPT to rotary-wing aircraft.

Volume 1, an overall summary of the contractual effort, will be issued at the end of the contract period.

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INTRODUCTION

The Flight Safety Prediction Technique developed by ARINC Research Corporation provides for assessment of the impact on flight safety of the failure of specific items of equipment within an aircraft. In the FSPT, mathematical modeling procedures are applied for processing aircraft-equipment failure data to yield a quantified index ranking safety-related problems on the basis of their likelihood of occurrence and the resulting degradation in the aircraft's capability to fly.

The ranking factor is called "criticality", which in its simplest form is the product of the failure probability and flight-safety sensitivity of an equipment. (A more detailed definition appears in Section 2 and Appendix B.) The failure probability inputs are from basic failure-data sources, AFM 66-1 and 65-110. The sensitivity estimates are derived by the following process:

- a. Systematic analysis of aircraft functions to determine those essential to flight safety
- b. Identification of the hardware required to perform these functions
- c. Evaluation of the safety significance of the hardware in performing these essential aircraft functions.

The criticality values resulting from this approach provide a relative ranking of all malfunctions with respect to their safety significance. Figure 1-1 is a simplified example of how three equipment items would be ranked on the combined basis of their failure probability and safety sensitivity. This figure illustrates an example in which item A has the highest failure probability, but due to the low sensitivity value is ranked below item B in criticality.

The methodology has the ability to rank malfunction problems currently and continuously by their accident potential. This ranking, based on criticality assessment, can provide the basic parameters necessary for:

- a. Identifying equipment items whose failure history and application pose a threat to aircraft safety
- b. Quantifying the degree of threat associated with each equipment item
- c. Evaluating and tracking the effectiveness of modifications to the aircraft
- d. Assessing safety benefits versus the cost of proposed aircraft modifications, changes in maintenance or flight operations, or alternative aircraft designs.

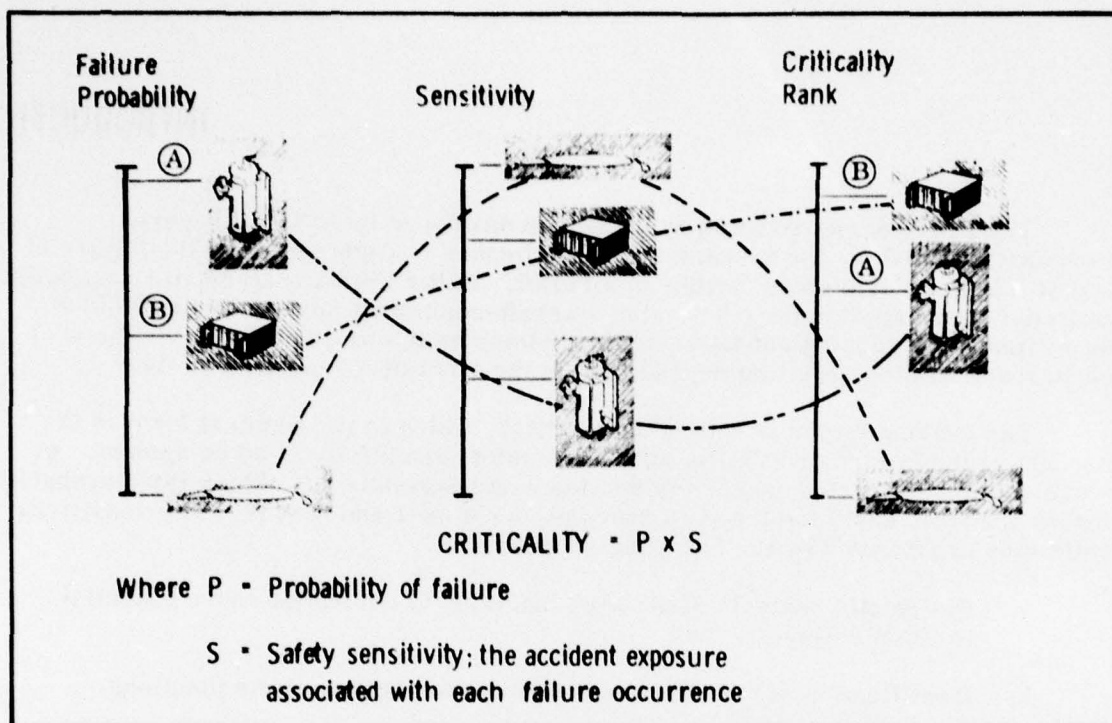


Figure 1-1. Example of Criticality Ranking Process

In this report, Section 4 and Appendix D pertain specifically to the C-141 aircraft. The remainder of the document provides support information that will make the C-141 data, and the method by which the data were obtained, more meaningful to the general reader.

Section 2 presents an overview of the development and utilization of the Flight Safety Prediction Technique; Section 3 discusses the steps associated with generating a safety model for calculating the safety criticality of various equipments of an aircraft; and Section 4 describes how the safety model for the C-141 aircraft was developed. Appendix A summarizes the contractual history of the development of the FSPT; Appendix B discusses mathematical considerations underlying the technique; Appendix C discusses FSPT documentation for methods; and Appendix D presents functional relationship diagrams for a listing of keypunch cards that comprise the safety model documentation for the C-141 aircraft.

METHODOLOGY UNDERLYING FSPT

This section discusses the basic definitions and mathematical concepts associated with the Flight Safety Prediction Technique.

2.1 DEFINITION OF SAFE AIRCRAFT

To develop a relative measure of aircraft safety degradation resulting from specific equipment malfunctions, it is first necessary to define a "safe" aircraft. For purposes of the FSPT assessments, an aircraft is assumed to be in a safe condition if it is operating within its prescribed performance limits. Conversely, an aircraft operating (or about to operate) outside these limits is considered to be unsafe - in a condition where property damage and personal injury may result.

The safety prediction methodology does not attempt to assess the extent of possible personal injury or aircraft damage resulting from an unsafe condition. Neither does the concept consider ejection capability, parachutes, life rafts, etc., which do not make an aircraft safer per se but provide for the survivability of the aircrew when the aircraft is unsafe. Collision is also excluded from consideration because of the complexity of the interrelationships between pilot, aircraft equipment, ground surveillance, and traffic density.

2.2 MATHEMATICAL BASIS OF FSPT

The probability of an accident caused by the failure of an element can be expressed as the probability of the element failing multiplied by the conditional probability that the failure of the element will cause an accident. Stated in equation form:

$$P(A, j) = P(j)P(A|j) \quad (1)$$

where

$P(A, j)$ = Probability of an accident due to failure of just the j^{th} element*

$P(j)$ = Probability that element j fails

$P(A|j)$ = Probability of an accident given that the j^{th} element fails.

This equation reflects the basic relationships addressed in the FSPT where:

- a. The criticality of the j^{th} element is an estimate of $P(A, j)$
- b. The sensitivity of the j^{th} element is an estimate of $P(A|j)$

*In this and subsequent discussions, unless otherwise stated, expressions such as "failure of the j^{th} element" should be interpreted to mean: failure of only the j^{th} element, assuming all other elements are not failed.

Because an element's effect on safety may depend on the mission phase (see Section 3.2.1), the above model can be expanded to:

$$P(A, j)' = \sum_{k=1}^N P_{j,k} P(A|j, k) \quad (2)$$

where

N = Number of mission phases

$P_{j,k}$ = Probability that the j^{th} element is failed in the k^{th} phase

$P(A|j, k)$ = The j^{th} element's sensitivity in the k^{th} phase.

To identify the importance of discrete elements to aircraft safety, a flight profile consisting of nine distinct phases was defined. The phases are discussed in Section 3.2.1.

To utilize equation 2, it was necessary to develop a method for obtaining the values of $P(A|j, k)$, the probability that a malfunction in element j during mission phase k will result in an accident. This method in turn requires the estimation of two parameters: the probability of accident if a major function is not available during each mission phase, and the dependence of the major function on subfunctions and elements during each such phase*. Each function and equipment item thus derives its sensitivity value from its relationship to the major function(s) dependent upon it.

2.3 SENSITIVITY ASSIGNMENTS

A great deal of information is available on the causes of aircraft accidents, but little exists from which to make the sensitivity assignments $[P(A|j)]$. These assignments are therefore largely subjective, based on the analyst's knowledge of the system and any information he may have on previous accident history. The sensitivity assignments are reviewed (and revised as necessary) by an Air Force/contractor team working on a particular model to ensure that consistent criteria have been followed. The team review and negotiation of sensitivity assignments is the mechanism by which the value becomes sufficiently objective for use with the model. This negotiation considers all of those top level functions as a group and reassigns sensitivity values as necessary to assure that the most objective proportionality is attained for the particular aircraft model. The same major-function sensitivity values are used for major functions on all aircraft models where configuration and mission profiles permit.

The development of criticality rankings for the various elements (j 's) is dependent upon the ability to quantify the failure probability $[P(j)]$ and the element sensitivity $[P(A|j)]$ for each element. Since the intent of the concept is to provide a relative safety ranking of all malfunctions, it is not necessary to develop absolute

*For a more detailed discussion of the mathematics of the FSPT, see Appendix B.

values for $P(A|j)$. If the sensitivity values developed are correct relative to each other, a proper criticality ranking will be established. It is intended that criticality be an index proportional to $P(A, j)$ and therefore provide the same relative rank ordering of elements. The major reasons for proportionality, rather than equality, are:

- a. The FSPT does not account for the effect of extraordinary pilot intervention to prevent an accident in case of equipment malfunction.
- b. Criticality quantification was limited in its treatment of simultaneous occurrence of independent, primary failures.
- c. Operational and malfunction data yield only a proportional estimate of the required information.

While strict proportionality cannot be mathematically proven, it is believed that the criticality rankings provide reasonable relative measures of equipment problem potential.

3 MODEL DEVELOPMENT

Figure 3-1 summarizes the approach to the assessment of flight-safety criticality of aircraft equipment. The first contractor activity is the identification of all functions the aircraft is expected to perform and the determination of their interrelationships. Next, each functional relationship is documented; and then sensitivity assignments are made at the major functional levels (below these levels, link dependency values are estimated; see discussion, Section 3.2.2). This process is carried out until each work unit code associated with a major function has been identified with respect to the function performed and dependencies have been estimated. Computer processing calculates the safety sensitivity for each work unit coded item, combines these values with the operation and failure data input by the Air Force, and produces the equipment criticality ranking.

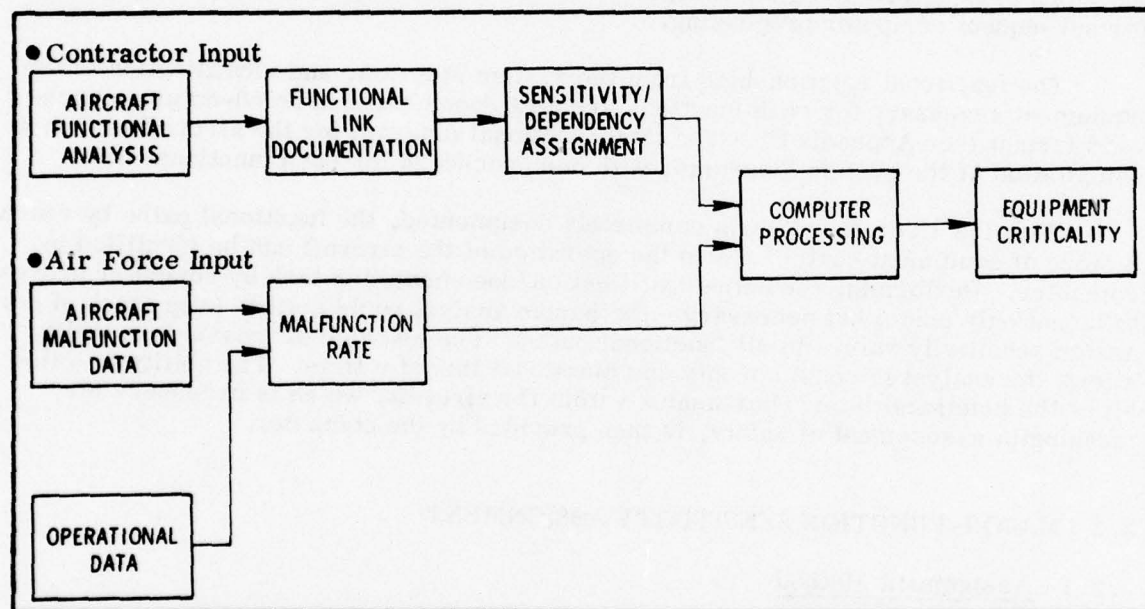


Figure 3-1. Activities and Data Inputs to Flight Safety Criticality Assessment

The steps in this process are discussed in greater detail in the following sections.

3.1 FUNCTIONAL ANALYSIS

Functional analysis entails the systematic identification of the relationships of hardware to the functions performed by the aircraft and documented in the aircraft technical orders. Tabulated for each aircraft function are the equipments necessary for its performance as well as all outputs required for other systems. The complexity of the functional interdependencies of an aircraft requires the use of a systematic

accounting procedure, as discussed below, to assure that all relationships have been identified and that no functional paths have been overlooked.

Certain top-level functions (comprised of both "primary" and "major" functions) have been defined as applicable to all aircraft types, and serve as the starting point for a safety analysis. Figure 3-2 lists these top level functions with the primary function of Flight Control expanded to show its typical major functions. Below the major function level, differences in aircraft types result in function identification and structuring specifically suited to each aircraft. In Figure 3-2, for instance, the major function Roll Control is subdivided into Left Roll and Right Roll, and further into aileron and spoiler actuation subfunctions. This structure is that applicable to an F-4 aircraft, in which ailerons have an extremely limited upward travel and lift is primarily lost through spoiler operation. Finally, each item in the aircraft WUC ("06") manual is identified with respect to the function it performs.*

Every function and every WUC included in the model receives an "alpha designator" unique to that aircraft model. Due to the large number of alpha designators required in a model, an indenturing system is utilized to prevent duplication. However, the location in the hierarchical structure and the number of characters in the alpha designators are often independent, since such correlation is not necessary for subsequent computer processing.

The functional relationships from the system diagram, and identification of the equipment necessary for each function, are next documented in an 80-column punch-card format (see Appendix C). The total functional diagram for the aircraft is then a compilation of the system diagrams, with one punchcard for each functional link.

With the aircraft functions completely documented, the functional paths by which a piece of equipment contributes to the operation of the aircraft can be identified by computer. Performing the path-identification/documentation task by computer proves to be not only useful but necessary - the human analyst could neither keep track of nor assign sensitivity values to all functional paths. The machine processing capability allows the analyst to consider only one functional link at a time. The ability to follow all of the functional interrelationships within the aircraft, which is necessary for meaningful assessment of safety, is then provided by the computer.

3.2 MAJOR-FUNCTION SENSITIVITY ASSIGNMENT

3.2.1 Assignment Method

As stated earlier, the sensitivity of a function or equipment item is an estimate of the probability that its failure will cause an accident. From functional analysis of the aircraft under consideration, major functions are identified and are assigned sensitivity values for each phase of the mission.

*Certain WUC items in the "06" manual may not be included in the safety model, these items being either 1) eliminated by TCTOs; 2) purely structural items in the 11000 series; 3) necessary only for survivability or ejection; 4) of lower indenture than the LRU level, where computer data screening eliminates failure reports.

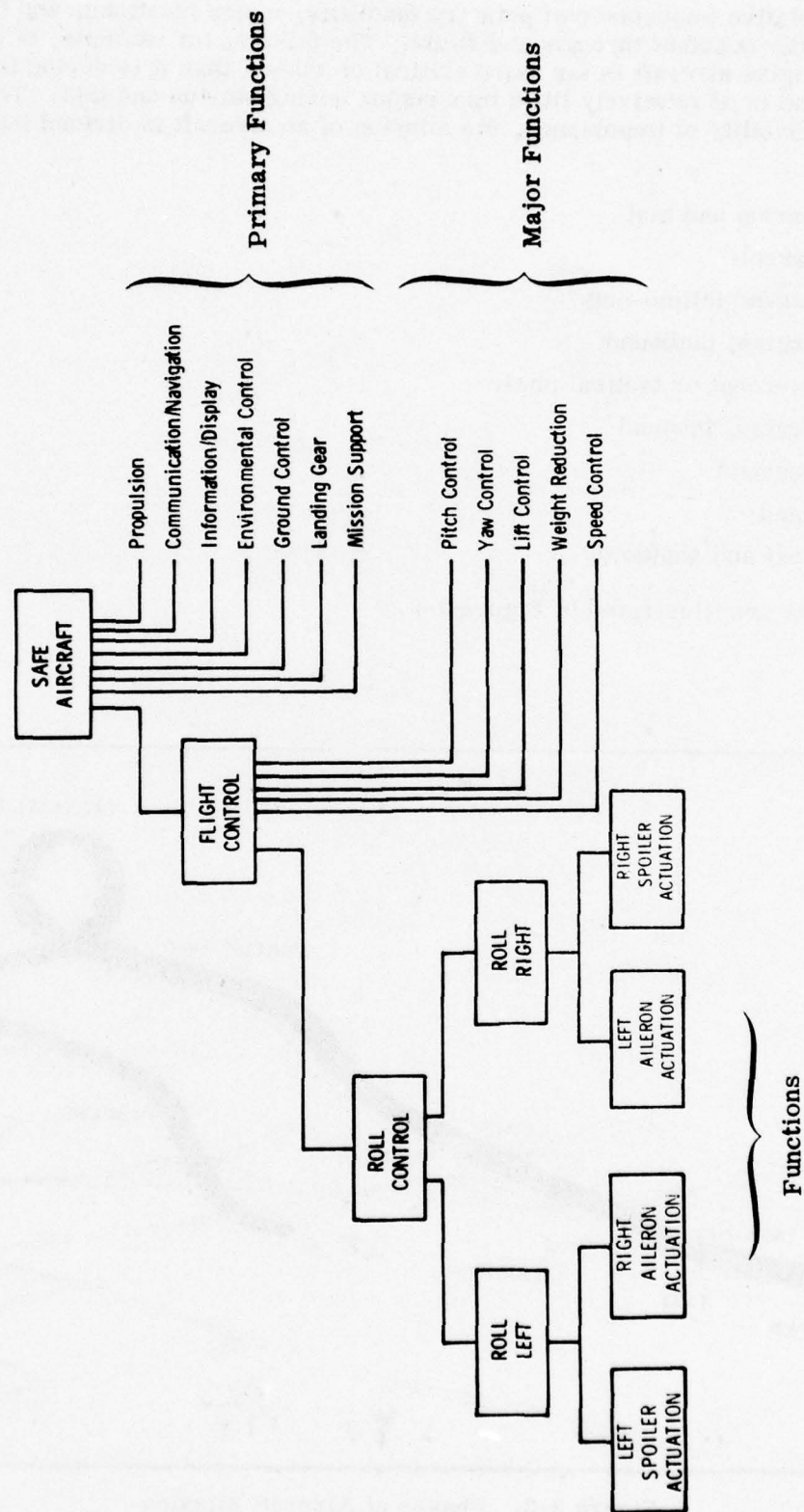


Figure 3-2. Hierarchical Structure of Aircraft Functions

The relative importance of primary functions, major functions, and functions is not necessarily constant throughout a flight. The failure, for example, of one engine of a multi-engine aircraft is far more critical on takeoff than it is during the rest of the flight, and is of relatively little importance during startup and taxi. To accommodate this variability of importance, the mission of an aircraft is divided into nine flight phases:

1. Startup and taxi
2. Takeoff
3. Ascend (climb-out)
4. Cruise, outbound
5. Intercept or tactical phase
6. Cruise, inbound
7. Descend
8. Land
9. Taxi and shutdown

These phases are illustrated in Figure 3-3.

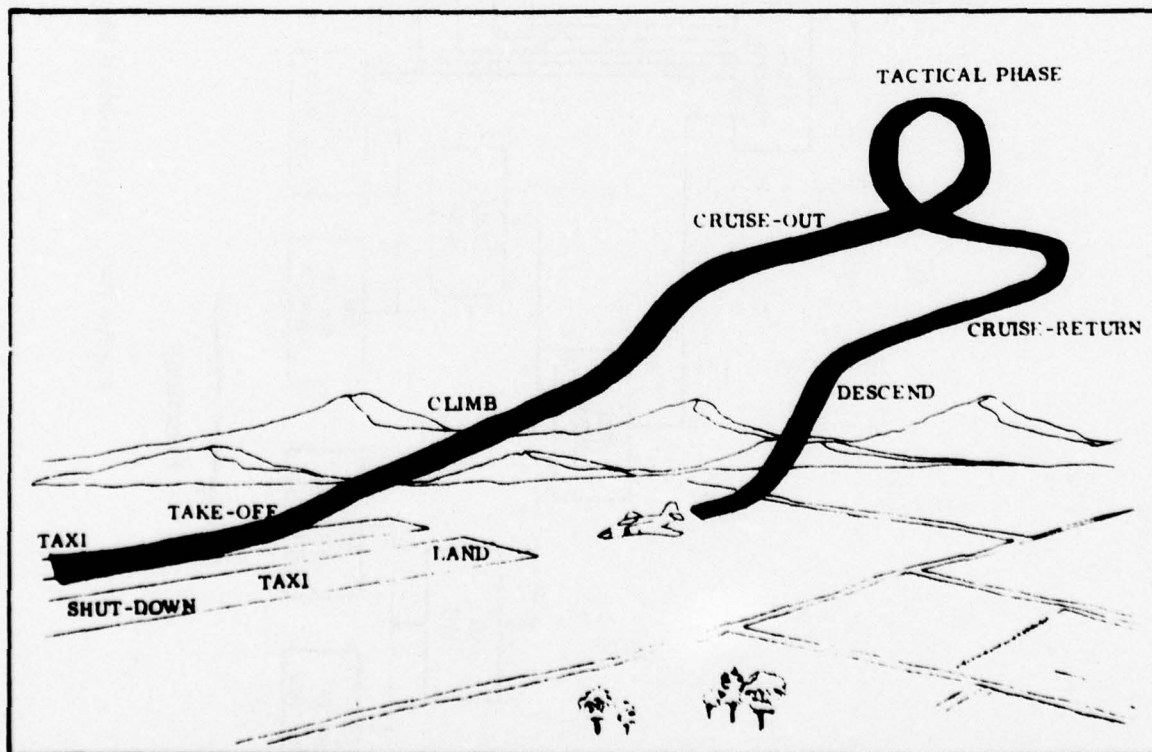


Figure 3-3. Phases of Aircraft Mission

A sensitivity value is assigned for each of the phases, and represents the best estimate of the likelihood that the aircraft will enter a hazardous mode if the function is not present in that phase. The numerical values assigned are proportional rather than absolute, and range from 0.0 to 1.0. The keypunch card format limits this assignment to increments of 0.1. Increments smaller than 0.1, when required, were assigned by defining a quasi-function for insertion between the major function and its dependent primary function.

3.2.2 Link Dependency Assignment

"Link dependency" is defined as the probability that the loss of a function will result in the loss of a dependent function. (For a more detailed discussion of this term, see Appendix B.) The assignment of link dependency values requires knowledge of the operation of specific aircraft because it is concerned only with functional levels below the "major" category. At this lower level, no evaluation is made of the impact on flight safety of the loss of functions. Instead, the effect of the loss of one function on the performance of another function becomes the evaluation criterion. Like sensitivities, link dependency values are assigned in increments of 0.1. Additionally, the method of attenuation used in assigning sensitivity values can also be applied to link dependencies.

3.2.3 Provisory Factors

The sensitivity of major functions with respect to aircraft safety, and at the lower levels the link dependency between functions, can be dependent on external influences and aircraft operating conditions. To accommodate these external influences, a set of provisory factors has been identified. An example would be a windshield anti-ice system, which has a safety sensitivity close to 1.0 during landing under icing conditions but a negligible effect on a dry, warm day.

Under such circumstances, the procedure is to assign the "worst case" value (assuming the condition exists). During model exercise the likelihood that the condition exists can be "read-in", thereby allowing the sensitivity value to be assigned by the computer based on the likelihood of the condition and the probability that the higher level function will therefore be lost. Table 3-1 lists the standard provisory factors used in FSPT models.

3.2.4 Computer Processing

Documentation of a flight safety analysis by ARINC Research thus consists of functional diagrams, coded functional tabulations, a functional data processing card deck, and a machine-prepared printout of the card deck data. Under this contract, the documentation is then sent to San Antonio Air Logistics Center for review by MMER personnel and representatives of the Air Logistics Center responsible for the particular aircraft (if other than SA/ALC).

SA/ALC processes the functional data card deck utilizing a number of computerized operations. First, a functional deck edit is accomplished to identify certain format or logic errors that may exist. Next, a path identification/documentation run is made that traces all possible paths associated with each function and calculates the numerical sensitivities by flight phase down to the WUC level. Then, a path combination run is made taking into account the dependence of more than one major function on a particular WUC. Finally, failure information from the 66-1 data system and numerical factors for provisory conditions are input and a WUC criticality list by rank order is generated by the computer.

TABLE 3-1. PROVISORY FACTOR CODES

Code	Provisory Condition
A	Icing conditions
B	Adverse speed/altitude operations (Helicopter)
C	Runway stopping distance/confined area (Helicopter)
D	Night operation
E	IFR conditions
F	Supersonic flight
G	Rain
H	Solo flight
I	Loss of function for which indication is provided
K	Normal system failed
T	Flame-out
X	Fire
Y	Cold weather
2	One of three available units is required
3	Two of three available units are required
4	One of four available units is required
5	Two of four available units are required
6	Three of four available units are required
8	Four of eight available units are required

An additional product generated by the computer is a two-part criticality trend analysis. Part I contains the criticality rankings and linear regression analysis by WUC for the previous 12 months. Part II contains plots of the criticalities and regression lines for the 25 WUCs top-ranked according to safety criticality.

3.2.5 Model Maintenance

Each time an aircraft type for which a safety model has been developed undergoes a modification, the effects of the changes on the model must be evaluated. Technical order and WUC revisions must be incorporated into the model. Removal of existing hardware, the installation of new hardware, or design improvements may change link dependencies and sensitivity assignments. The update procedure should follow the same general steps as outlined for the initial analysis effort.

Existing block diagrams and a printout of the functional card deck form the baseline for change identification. Functional relationships should be reviewed to determine the impact of changes on the documented safety analysis. Diagrams should be revised to reflect functional differences, WUC changes should be noted, and all differences listed on a flight-safety functional tabulation sheet. The functional deck printout can be used for manual indication of what the changes are and where they occur. New data cards are prepared and the functional deck updated by the removal of obsolete cards and the insertion of new cards. From this point on, the computer is again utilized to edit the functional deck, perform path identification/documentation, and calculate sensitivities for each WUC.

Block diagrams and other affected portions of the specific aircraft safety analysis report should be updated and revised pages issued that reflect these changes. Maintaining an accurate and updated model is important to obtaining an accurate assessment of the safety significance of hardware failures.

C-141 MODEL DEVELOPMENT

The FSPT model for the C-141 aircraft was begun in December 1972. The total aircraft documentation was submitted for "GO-95" computer edit at SA/ALC in May 1973.

The aircraft flight manual and maintenance technical orders provided the information on aircraft system operation. The model developed represents C-141 aircraft configured to the latest time compliance technical orders (TCTOs) documented in the manuals supplied by SA/ALC. Table 4-1 lists the manuals and their revision status applicable to the developed model.

TABLE 4-1. C-141 SYSTEM DOCUMENTATION

Nomenclature	Title	Revision/Date
1C-141A-1	Flight Manual	Change 15, 1 February 1973
1C-141A-1-1	Performance Data	Change 8, 1 May 1972
1C-141A-2-2	Ground Handling, Servicing, and Aircraft Maintenance	Change 11, 1 May 1972
1C-141A-2-3	Pneudraulics	Change 9, 1 May 1972
1C-141A-2-4	Power Plant	Change 4, 15 February 1972
1C-141A-2-5	Fuel System	Changed 15 April 1971
1C-141A-2-6	Instruments	Change 12, 1 May 1974
1C-141A-2-7	Electrical System	Change 10, 1 May 1972
1C-141A-2-9	Flight Control System	Change 11, 1 May 1972
1C-141A-2-12	Landing Gear	Change 8, 1 May 1972
1C-141A-06	Work Unit Code Manual	Basic, 1 December 1972

Because of the vulnerability of the functional logic/sensitivity documentation to such errors as omission of links, duplication of cards, and incorrect keypunching, quality reviews were conducted at various critical points in the model development. In addition to keypunch verification, each card was checked against the functional link shown on the original rough draft and the final functional diagram and the diagrammed link was checked off. Missing or duplicated functional links were thus identified. Work unit codes used in the model were checked off against the WUC manual to assure completeness.

The quality reviews were first conducted prior to computer verification of the aircraft deck by SA/ALC. Following computer verification, a second quality review was performed by representatives of Warner Robins ALC and ARINC Research. Finally, the first criticality printout obtained from application of actual aircraft data was reviewed to identify any terms whose sensitivity appeared to be unreasonable. In such cases the paths were traced manually and changes made if an erroneous relationship was found.

Appendix C presents the methods and standard used in documenting an FSPT aircraft model. Appendix D presents the FSPT documentation for the C-141 aircraft.

APPENDIX A
HISTORICAL SUMMARY OF FSPT

HISTORICAL SUMMARY OF FSPT

In 1965, the desirability and practicability of quantifying the significance of specific equipment malfunctions relative to flight safety was explored in a feasibility study conducted by ARINC Research Corporation for the Air Force. The feasibility of a safety-quantification approach, which has subsequently become known as Flight Safety Prediction Technique (FSPT), was demonstrated; and the method was developed and refined in a series of studies, as follows:

<u>Study Phase</u>	<u>Subject/Date</u>	<u>Sponsor*/Publication No.</u>
I	Feasibility Study, September 1965 to June 1967 (Phase I)	Sacramento Air Materiel Area (SMNE), Contract AF09(603)62335, SM-67-2; publication 705-01-1-777
II-A	Technique Development, October 1967 to July 1968 (Phase II-A)	San Antonio Air Materiel Area (SANEW), Contract AF09(603)-67-A-0267-SA01; publication 734-01-1-895
II-B	Technique Development, July 1968 to July 1969 (Phase II-B)	San Antonio Air Materiel Area (SANEW), Contract F09(603)-68-A-0317-SA01; publication 754-01-1-985 (Revision 1)
	FSPT System Documentation for the F-4C and T-37 Aircraft, October 1970 to June 1971	San Antonio Air Materiel Area (MMER) Contract F41608-71-C-0576; publication 697-01-1-1118

In the Phase II-B study, the FSPT was applied to the F-106 aircraft. Concurrent with Phase II-B, the U.S. Naval Safety Center contracted ARINC Research to extend the methodology to produce a flight safety criticality model for the F-4J aircraft. The results of this effort are documented in ARINC Research Publication 753-01-3-982 (Revision 1).

In 1970, ARINC Research was contracted to develop suitable input data to permit the application of the technique to the T-37 and F-4C aircraft. These data were derived in the form of mathematical model functional documentation as input to the basic computer program developed and applied to the F-106.

In 1972, ARINC Research Corporation was awarded a contract, with the subsequent modifications in 1973 and 1974, to apply the Flight Safety Prediction Technique to 15 aircraft, working jointly with cognizant Air Logistics Centers. Aircraft to which the FSPT has been applied under this latter contract (F09603-72-A-1132-SA01) include:

- a. T-38
- b. F-111A and FB-111A

*The office symbols of Service Engineering at the Sacramento and San Antonio Air Materiel Areas are now SM/ALC/MME and SA/ALC/MME, respectively.

- c. A-7D
- d. F-4D, E; RF-4C
- e. C-141
- f. A-37
- g. O-2
- h. OV-10
- i. B-52G, H
- j. C-130E
- k. KC-135
- l. C-5A
- m. T-39
- n. F-15
- o. UH-1N Helicopter*

*Feasibility study of adaptation of FSPT to rotary-wing aircraft.

APPENDIX B
FORMULATION OF CRITICALITY-ASSESSMENT TECHNIQUE

FORMULATION OF CRITICALITY-ASSESSMENT TECHNIQUE

To implement the basic safety model defined in Section 2.2, it is necessary to develop a submodel for the probability that a malfunction in element j during mission phase k will result in an accident. This submodel in turn requires that we estimate two parameters: the probability of accident if a major function is not available during each mission phase, and the dependence of the major function on element j during each mission phase.

The first parameter is termed "functional sensitivity" and is estimated for each major function. The functional analysis performed in this task established for an aircraft the following hierarchal scheme:

Aircraft

Primary functions

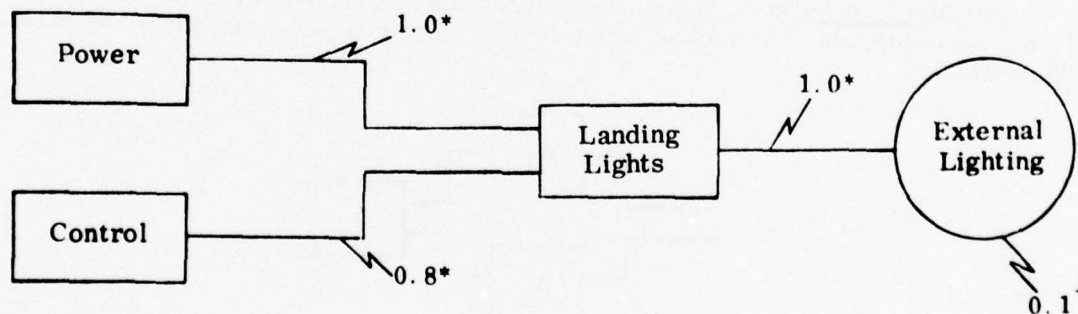
Major functions

Function

Elements (Work Unit Codes)

A primary function would be one such as Flight Control. Major functions under Flight Control would include Pitch Control and Yaw Control.

The second parameter, "link dependency," is a vehicle for showing the influence of each functional-path element on the performance of a major function. For example, if the major function being considered is External Lighting, the following diagram illustrates the nature of functional sensitivity and link dependency values.



*Link dependencies

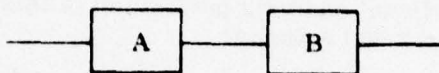
+Functional sensitivity

The 0.8 value means that failure of the Control function will result in loss of the Landing Light function 80% of the time. The 0.1 functional sensitivity value denotes that loss of external lighting will result in an accident 10% of the time. The values must be interpreted in a proportional sense, in that the actual accident probability is dependent upon external factors (see Section 3.2.3).

The remainder of this appendix discusses the procedures and model used to obtain element sensitivities; e.g., in the above example, the accident probability given that a Work Unit Code in the Control function malfunctions.

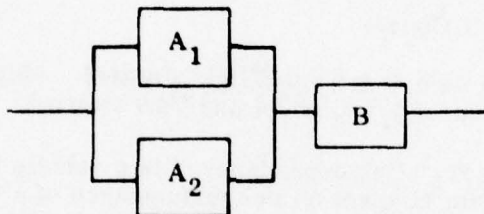
Three principal types of functional relationship--series, redundant, and parallel--were identified as representing the major forms to consider in modeling element sensitivity.

Series Relationship - A function having only one input. Schematically,



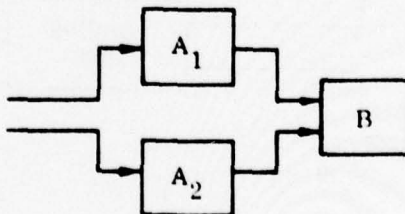
which indicates that outside of its own elements, the success of function B is only affected by the success of function A.

Functional Redundancy - A function having one or more backup functions that can provide the required inputs to successor functions. Schematically,



where A_1 and A_2 represent a functional redundancy in that either may provide the necessary input to B.

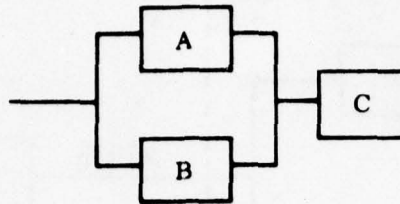
Parallel Functions - Two or more functions independent of each other in terms of functional success, but each of which may be required for a successor function. Schematically,



B will generally require both A_1 and A_2 ; but A_1 does not depend on A_2 , nor does A_2 depend on A_1 .

In some cases the distinction between functional redundancy and parallel paths is very slight, and may depend on mission phase. For example the four engines of a plane can be considered to be a redundant configuration providing inputs to the primary propulsion function during cruising, but would generally be considered to be parallel functions during takeoffs requiring full power.

In general, given a schematic relationship of the form,

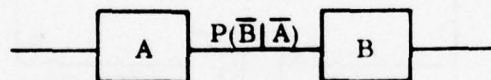


we can say that A and B are in a functionally redundant configuration if the success probability of C is the same if 1) A and B are successful, 2) A only is successful, or 3) B only is successful. If, for example, C is more likely to be successful if both A and B are successful, rather than A or B alone, then the relationship is one of parallel paths.

It is noted that the model will also account for element redundancy and parallel elements through inputs such as $P(\bar{A}|i_a)$, representing the probability that the Ath function fails given that the i_a^{th} element in A has failed. If i_a is a parallel element, the probability would depend on mission requirements and other parallel-element states.

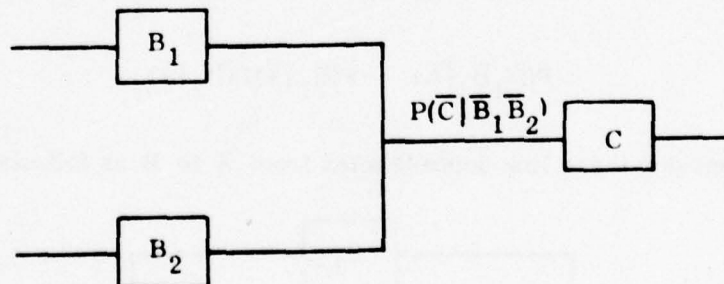
Link dependency is the conditional probability of a functional failure, given the failure of immediate predecessor functions. The link dependencies applicable to the three basic designs defined above are shown below.

Series Relationship

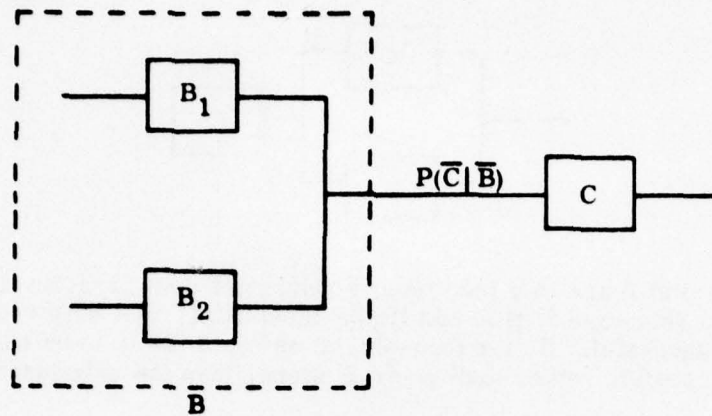


Link dependency = $P(\bar{B}|\bar{A})$ = probability that B fails given that A fails.

Functional Redundancy

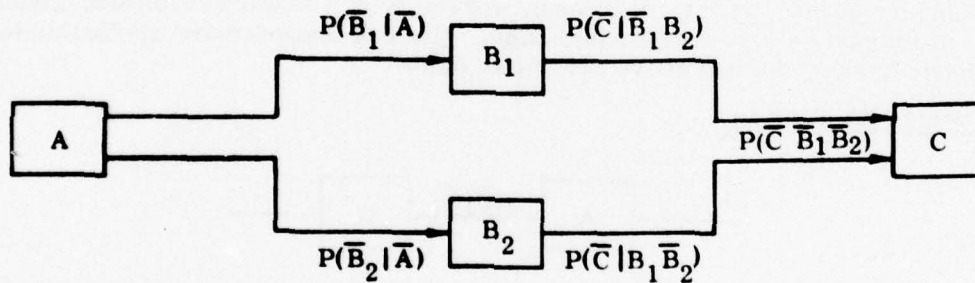


equivalent to



where $\bar{B} = \bar{B}_1 \bar{B}_2$

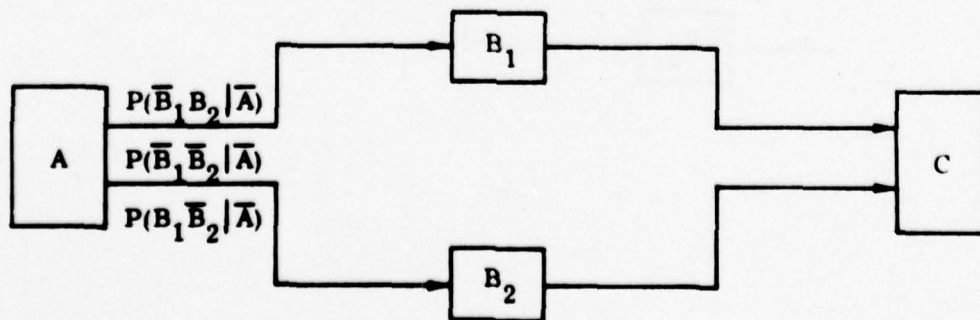
Parallel Functions



We shall generally assume that the dependencies of B_1 with respect to A , and of B_2 with respect to A , are independent of each other, so that

$$P(\bar{B}_1 \bar{B}_2 | \bar{A}) = P(\bar{B}_1 | \bar{A}) P(\bar{B}_2 | \bar{A})$$

We then can consider three link dependencies from A to B as follows:



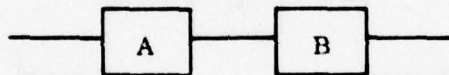
noting that

$$P(\bar{B}_1|\bar{A}) = P(\bar{B}_1 B_2|\bar{A}) + P(\bar{B}_1 \bar{B}_2|\bar{A})$$

$$P(\bar{B}_2|\bar{A}) = P(B_1 \bar{B}_2|\bar{A}) + P(\bar{B}_1 \bar{B}_2|\bar{A})$$

Models are shown below for determining the sensitivity of elements within a function for each of the three basic designs. The following basic assumptions apply:

- a. Except for cases where an element has a redundant or parallel counterpart or is located in a function with a redundant or parallel function, only the element under consideration shall be assumed to have failed initially. Thus the expression $P(A|i_a)$, representing the accident probability given failure of the i th Work Unit Code element, is based on the assumption that no other element has failed unless element i is in some redundant or parallel configuration. For cases in which there are redundant or parallel counterparts, failures of such counterpart elements or functions are considered in accordance with their occurrence probabilities.
- b. The success of all immediate predecessors ensures the success of a function, provided that the function experiences no element failures. Thus for the series function relationship



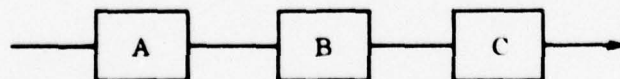
we assume

$$P(\bar{B}|A) = 0,$$

provided B experiences no element failures. If an element in function A is under consideration, the latter provision is always true by assumption "a."

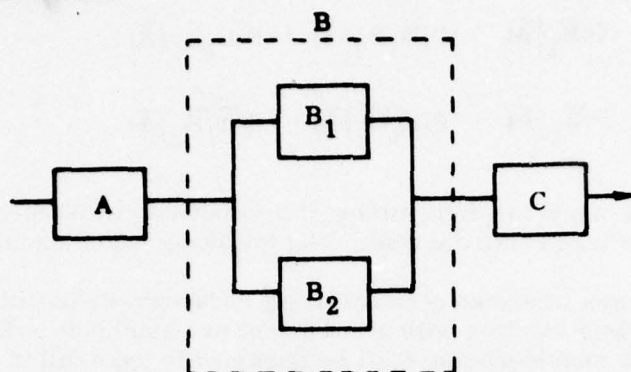
The element sensitivity models are:

Series Relationship



$$P(A|i_a) = P(\bar{A}|i_a)P(\bar{B}|\bar{A})P(\bar{C}|\bar{B})P(A|\bar{C})$$

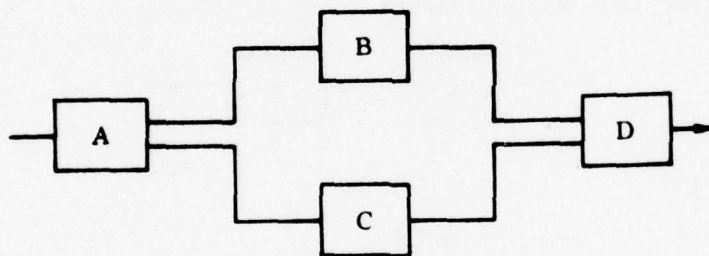
Functional Redundancy



$$P(\mathcal{A}|i_a) = P(\bar{A}|i_a)P(\bar{B}|\bar{A})P(\bar{C}|\bar{B})P(\mathcal{A}|\bar{C})$$

$$P(\mathcal{A}|i_{b1}) = P(\bar{B}_1|i_{b1})P(\bar{B}_2)P(\bar{C}|\bar{B})P(\mathcal{A}|\bar{C})$$

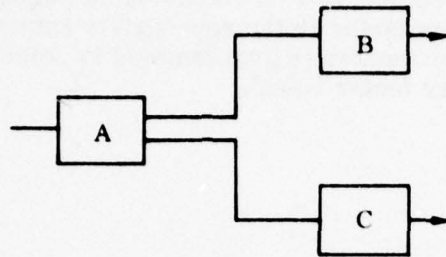
Parallel Functions



$$P(\mathcal{A}|i_a) = P(\bar{A}|i_a) \{ P(\bar{B}C|\bar{A})P(\bar{D}|\bar{B}C) + P(B\bar{C}|\bar{A})P(\bar{D}|B\bar{C}) \\ + P(\bar{B}\bar{C}|\bar{A})P(\bar{D}|\bar{B}\bar{C}) \} P(\mathcal{A}|\bar{D})$$

$$P(\mathcal{A}|i_b) = P(\bar{B}|i_b) \{ P(\bar{C}|i_b)P(\bar{D}|\bar{B}\bar{C}) + P(C|i_b)P(\bar{D}|B\bar{C}) \} P(\mathcal{A}|\bar{D})$$

A case not explicitly included in the above three basic functional relationships is one for which a function is in two paths, e.g.,



then

$$P(A|i_a) = P(\bar{C}|i_a)P(B|i_a)P(A|\bar{C}B) + P(C|i_a)P(\bar{B}|i_a)P(A|C\bar{B}) \\ + P(\bar{C}|i_a)P(\bar{B}|i_a)\{1 - P(\bar{A}|\bar{C})P(\bar{A}|\bar{B})\}$$

where it is assumed that the effects of loss of the major functions in accident occurrence are independent of each other.

Use of Numerical Provisory Factors for Partially Redundant Systems

The numerical provisory factors (see Table 3-1) are used where more than two identical functions are involved in a redundancy. For example, aircraft with more than two engines often have identical and independent systems for hydraulic pressurization, and for electrical power generation, one driven by each engine. If the aircraft can be operated safely with one or more of such systems in a failed state, one of the numeric codes is utilized in assigning link dependency values. Consider, for example, the following:

If N identical and independent units* are available and at least M are required for safe operation, where $0 < M < N$, then the provisory factor of a given unit, say U_j , is the probability that the failure of U_j will cause the aircraft to enter an unsafe state. This is the probability that exactly $M-1$ of the remaining $N-1$ units will be in an unfailed state. This probability can be calculated by the formula for the binomial distribution, and is given by

$$P(U_j) = \binom{N-1}{M-1} p^{(M-1)} q^{(N-M)}$$

where $P(U_j)$ = probability that failure of the j^{th} unit will cause the aircraft to enter an unsafe state, and

M = Number of units required

N = Number of units available

p = Probability that a single unit will be in an unfailed state

q = Probability that a single unit will be in a failed state or $(1-p)$

*Units may be either elements, element assemblies, or functions.

Assignment of link dependencies to N identical and independent units of which only M are required proceeds as follows. The value assigned to each unit is the dependency of the higher level function on receiving an output from M of the units (usually 1.0). The provisory factor is the appropriate numeric code. In the evaluation of the path sensitivity, the computer is programmed to select the binomial formula that corresponds to the provisory factor listed.

APPENDIX C
FSPT DOCUMENTATION METHODS

FSPT DOCUMENTATION METHODS

Because of the extreme complexity of aircraft, it is necessary to develop a computerized method to identify and document all possible paths associated with each function as well as to determine the safety sensitivity associated with each path. A computer routine has been devised that takes the data from the functional card deck and traces and documents all paths. For each WUC, it also computes the flight-phase sensitivities for each path in which the WUC is present. The resulting computer printout provides a combined functional path sensitivity.

C.1 ALPHA CODING

As each system of the aircraft is functionally diagrammed, the functional blocks are assigned an "alpha code". This code aids the analyst in the bookkeeping tasks of functional diagramming and provides the computer with an identification of the elements to be processed. For standardization among aircraft, nine top-level functions have been defined and each has been assigned an initial or first-alpha designator. Each block in the functional diagram carries the same initial alpha as the top level function. Subsequent letters added to the initial alpha uniquely identify each block.

The only restrictions placed on the assignment of alpha codes are that:

- a. All characters in a code must be a letter of the alphabet, and
- b. The maximum number of characters in one code is seven.

C.2 ALPHA CODING AND COMPUTER PROGRAM COMPATIBILITY

Additional rules for alpha coding required to obtain the desired results from computer processing include:

- a. When a WUC item operates in the same mode to perform more than one function, the same alpha code is used in each application.
- b. When a WUC item operates in a different mode to perform each of more than one function, a different alpha designator is assigned for each operating mode.

C.3 FUNCTIONAL TABULATION

The "Flight Safety Functional Tabulation" sheet is used to code the safety model for keypunching. The sheets are coded as follows (refer to Figure C-1) for an example).

- a. Columns 1 through 3. Used to identify the aircraft represented by the model. For certain aircraft modeled under this contract more than one model - designation series MDS - was included. For instance, a single functional deck was created for four MDSs of the F-4 aircraft. Cards with "F4"* in columns 1-3 were common to all aircraft. For example,

* = blank

when these cards are combined with those carrying "F4E" in columns 1-3, then it produces an F-4E FSPT model deck.

- b. Columns 4 through 31. Contain the title of the function or the WUC item.
- c. Columns 32 through 36. Contain the left-justified WUC number.
- d. Columns 37 and 38. Blank
- e. Columns 39 through 46. Contain the assigned alpha designator for the function and/or the WUC. Column 39 contains either an L or an R, or is blank. The L and R designate left and right for those instances when the function and/or WUC pertains to the left or right side of the aircraft.
- f. Columns 47 and 48. Blank.
- g. Columns 49 through 55. Normally left blank, but are used after a deck is operational to substitute the data on a card for that stored in the computer by punching the line record number in this field.
- h. Columns 56 through 63. Identify the dependent functions for either the function or specific WUCs being coded. Column 56 may contain L, R or blank for the same purpose as that of column 39.
- i. Column 64. Contains the alphanumeric code of the "provisory factor" applicable to the link value assigned.
- j. Columns 65 through 69. Contain the alpha designator of a function that is an alternate for the function being coded. (Column 65 is used for "L" or "R" as in Column 39.) The presence of the "alternate alpha" flags the importance of the link dependency as being affected by the success probability of the alternate function.
- k. Column 70. Contains the work unit code dependency value (1 = 0.10; 2 = 0.20;A = 1.0). This value is applicable to all flight phases.
- l. Column 71. Contains special instructions to the computer through the use of letters F, S, or being blank. Cards with an "S" or "blank" in column 71 are used in sensitivity computations. Cards with an "F" document a functional relationships which, although present in the system, would produce an erroneous sensitivity value when combined with other nonindependent paths (having the same function in common at some higher level). The "F" prevents the computer from including the link in the sensitivity calculations.
- m. Columns 72 through 80. Contain functional dependencies for each of nine flight phases as described in Section 3.2.1 of the text. Coding is the same as for column 70.

C.4 DIAGRAM CONSTRUCTION

The diagrams produced under the contract document the functional inter-relationship of the aircraft systems considered in the model. In the interest of extending the useful life of the diagrams, WUC items are not shown, thereby eliminating the necessity of updating the diagrams with each (and sometimes frequent) change to the WUC manual.

As discussed earlier in this report, the diagrams represent the hierarchal structure of the paths from which the sensitivity values are derived. The diagrams, although consistent with the system schematic and reliability block diagrams, are not equivalent due to this hierarchal method of documentation. In the actual system, signals and/or fluids pass from one component to the next and are thus documented in schematics; conversely, the hierarchal approach only identifies the components that must operate to achieve a given function, independent of the direction and/or sequence of signal flow. This approach directly addresses the system impact of a component failure without the necessity of identifying the intrasystem secondary failures. Each line connecting functions on the diagram is documented by a punchcard, with the lower function providing the "alpha designator" and the higher function's alpha designator indicator as the "dependent function". *

*The card deck also documents functional relationships not shown on the diagram; the work unit codes (mentioned earlier) and the "S" cards discussed in paragraph C.3.1.

APPENDIX D
FSPT DOCUMENTATION OF C-141 AIRCRAFT

FSPT DOCUMENTATION OF C-141 AIRCRAFT

This appendix contains the functional relationship diagrams and a listing of the keypunch cards that comprise the C-141 aircraft FSPT safety model documentation.

D.1 DIAGRAMS

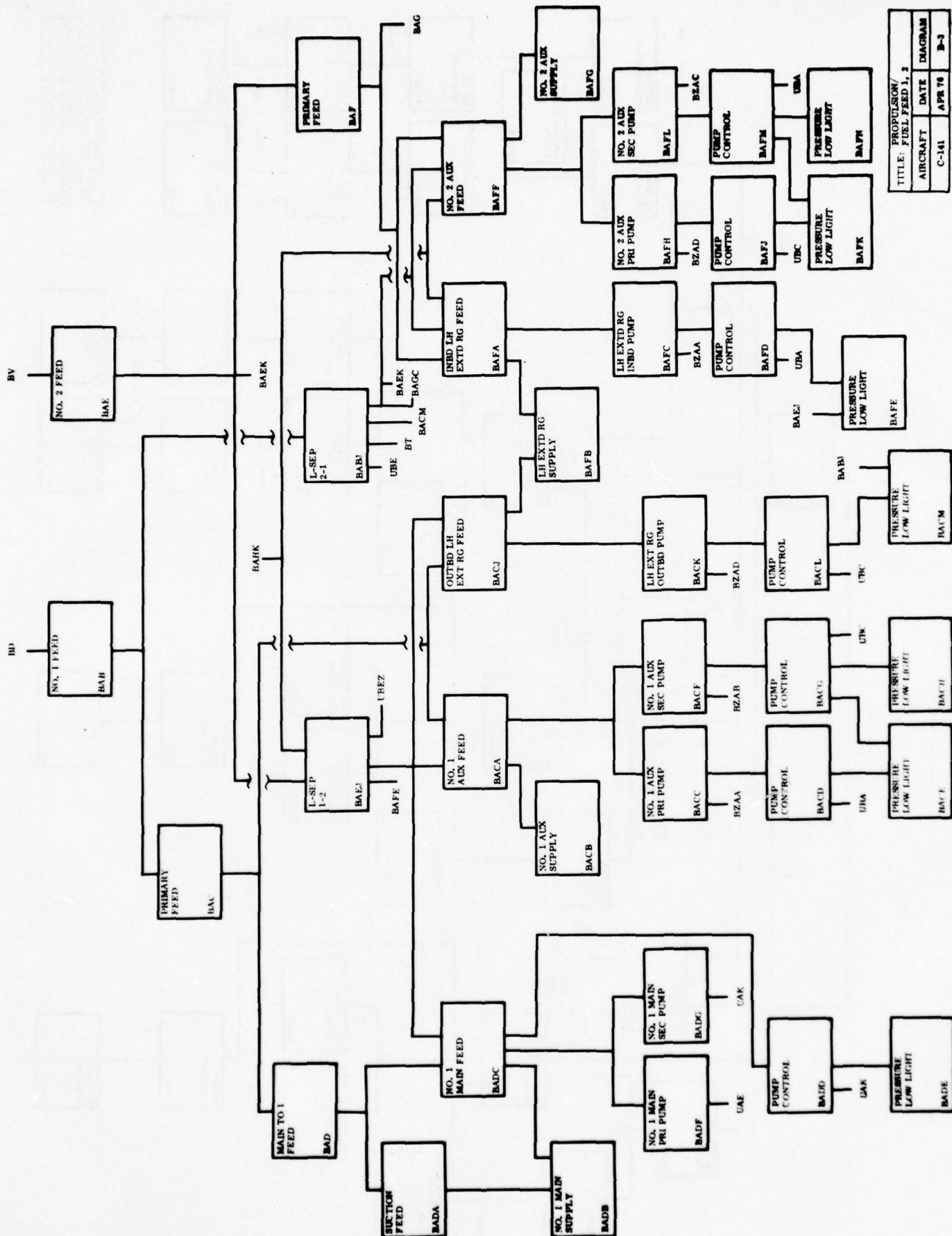
The diagrams illustrating the functional relationships considered in the C-141 safety model will be found on pages D-5 through D-33, and are listed below:

	<u>Diagram</u>	<u>Page</u>
Propulsion		
Propulsion/Engine	B-1	D-5
Propulsion/Engine	B-2	D-6
Propulsion/Fuel Feed 1, 2	B-3	D-7
Propulsion/Fuel Feed 3	B-4	D-8
Propulsion/Fuel Feed 4	B-5	D-9
Communications/Navigation/Identification		
Comm/Nav/Ident	C-1	D-10
Steering Solutions	C-2	D-11
Approach & Landing Aids	C-3	D-12
Information and Displays		
Info & Displays	D-1	D-13
Warnings	D-2	D-14
Environmental Control		
Environmental Control	E-1	D-15
Air Temp, Pressure Control	E-2	D-16
Flight Control		
Flight Control	F-1	D-17
Lift Augmentation	F-2	D-18
Yaw Control	F-3	D-19
Pitch Control	F-4	D-20
Roll Control	F-5	D-21
Flight Speed Control	F-6	D-22
AFCS	F-7	D-23
Stall Prevention	F-8	D-24
Ground Control	G-1	D-25
Landing Gear	L-1	D-26
Mission Support	M-1	D-27

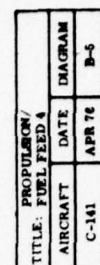
	<u>Diagram</u>	<u>Page</u>
Utilities		
Main AC Power	UA-1	D-28
AC Power Generation	UA-2	D-29
Multifeed AC Power	UA-3	D-30
DC Power	UB-1	D-31
Hydraulics	UH-1	D-32
Air Data Computer	UK-1	D-33

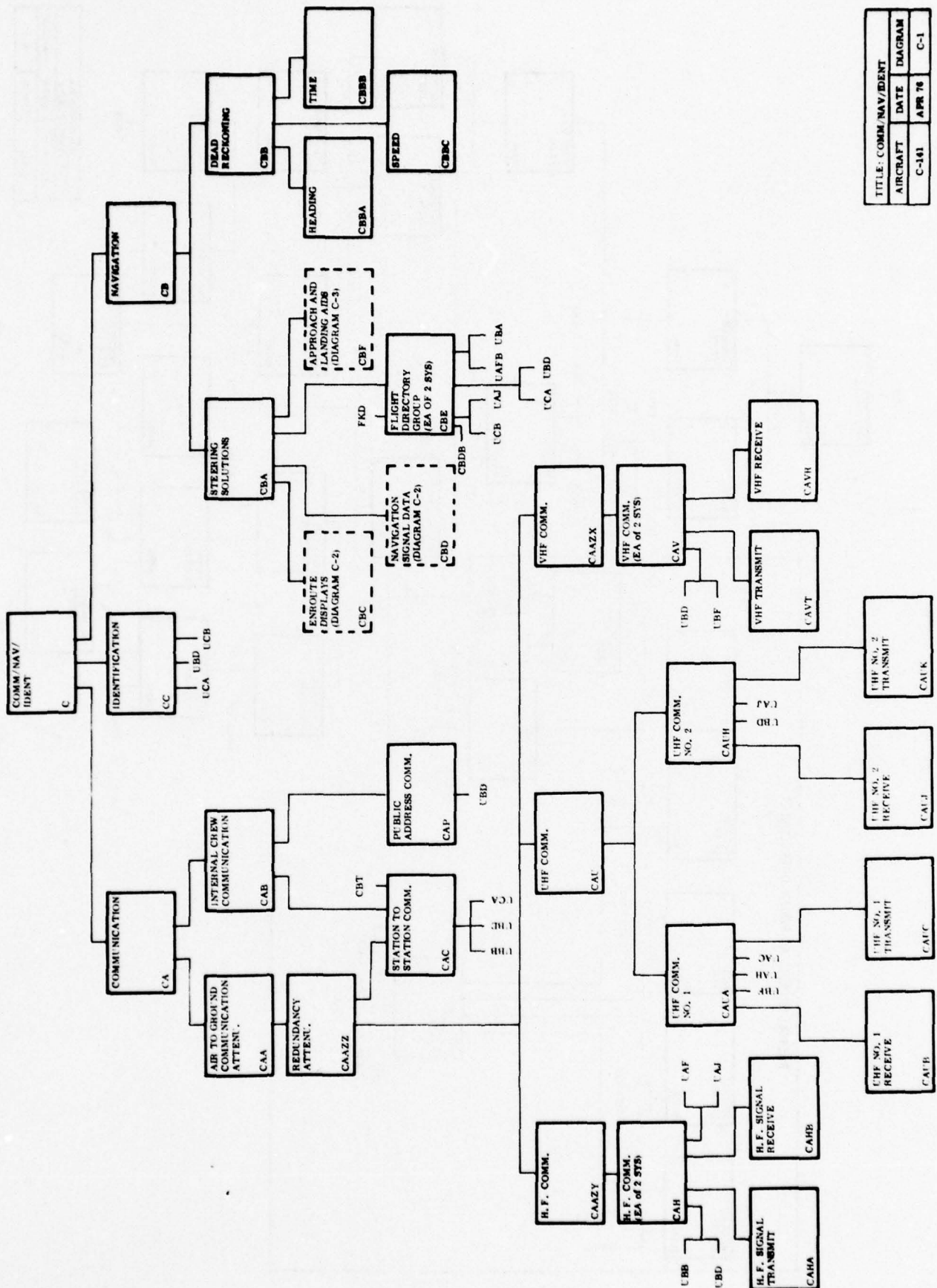
D.2 CARD LISTING

Pages D-35 through D-140 are a reproduction of the punchcard listing. The listing is alphabetical by "alpha designator," and the format is that of the 80-column punchcard itself as described in Appendix C.

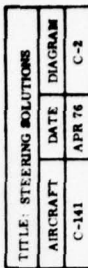


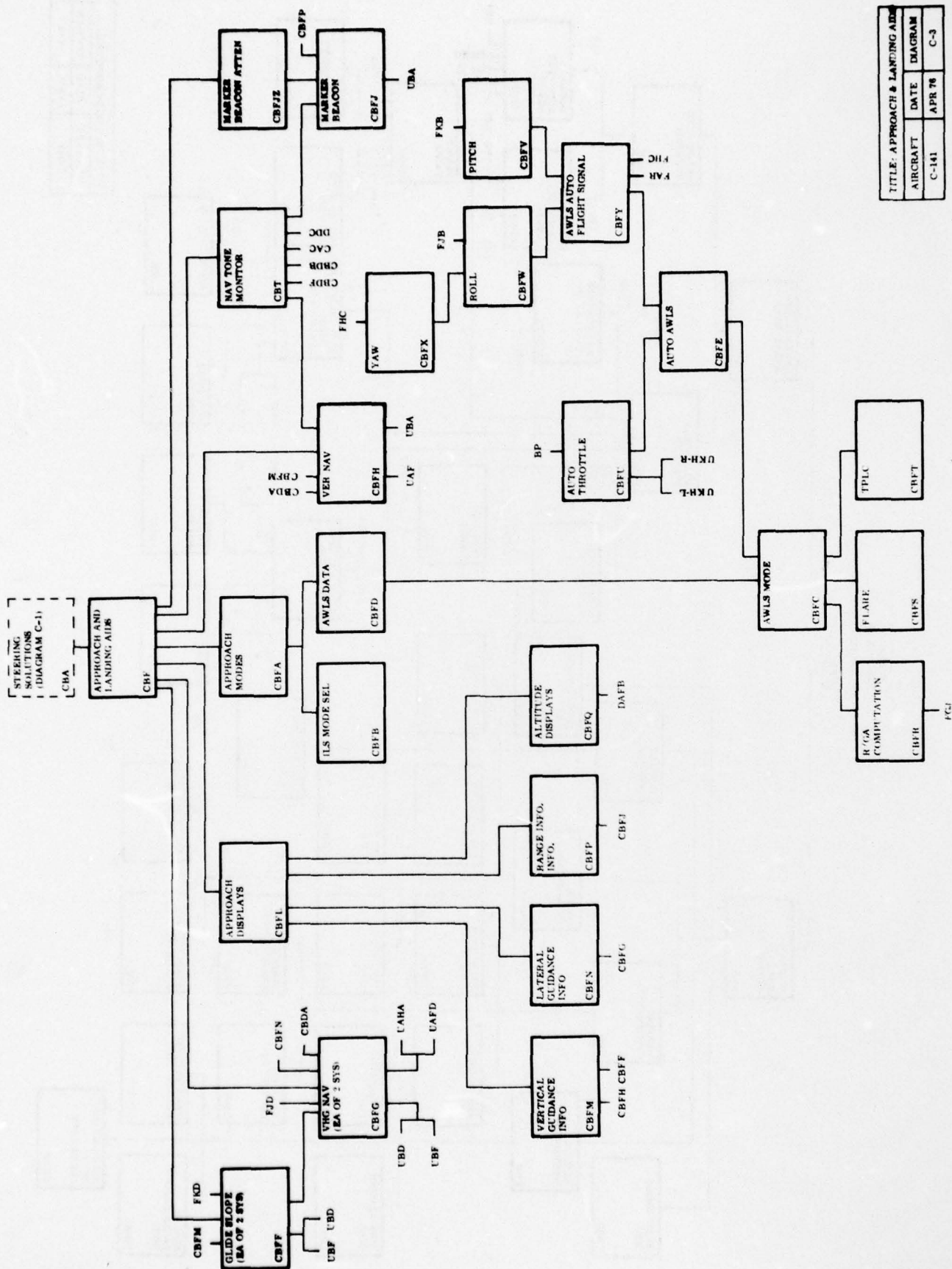
TITLE:	PROPULSION/	FUEL FEED 1, 2
AIRCRAFT	DATE	DIAGRAM
C-141	APR 70	D-3



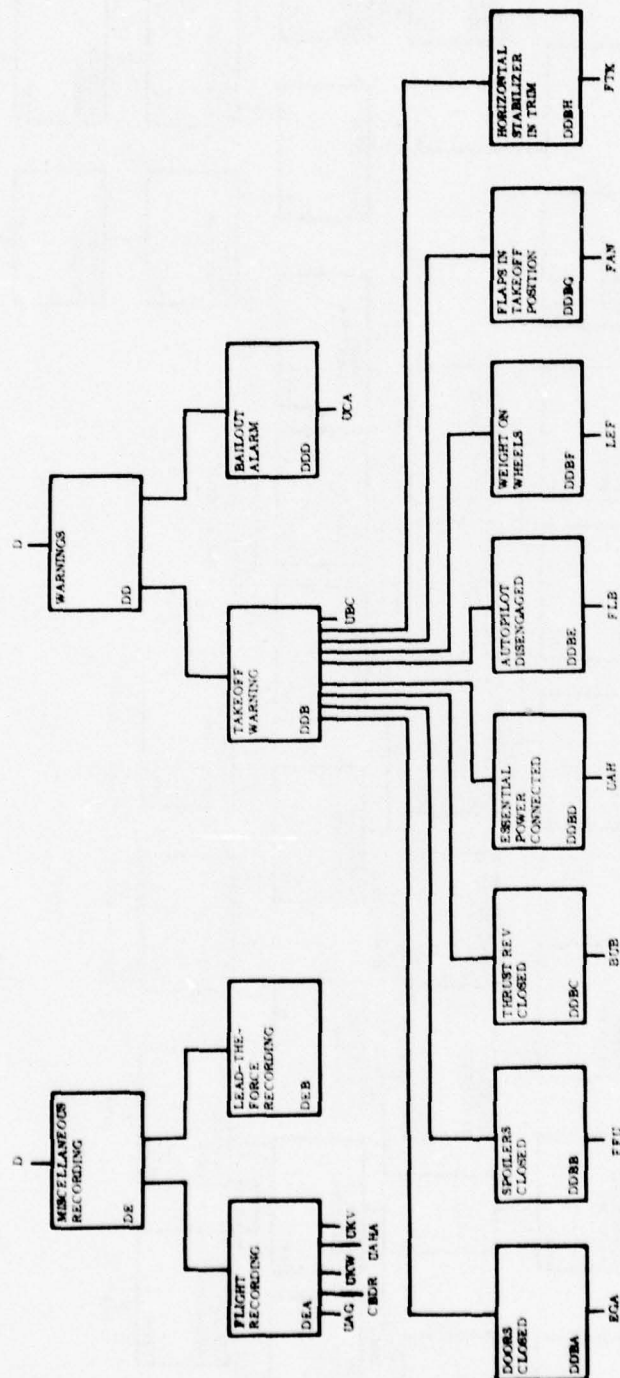


TITLE: COMM/NAV/IDENT		
AIRCRAFT	DATE	DIAGRAM
C-141	APR 78	C-1

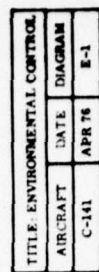


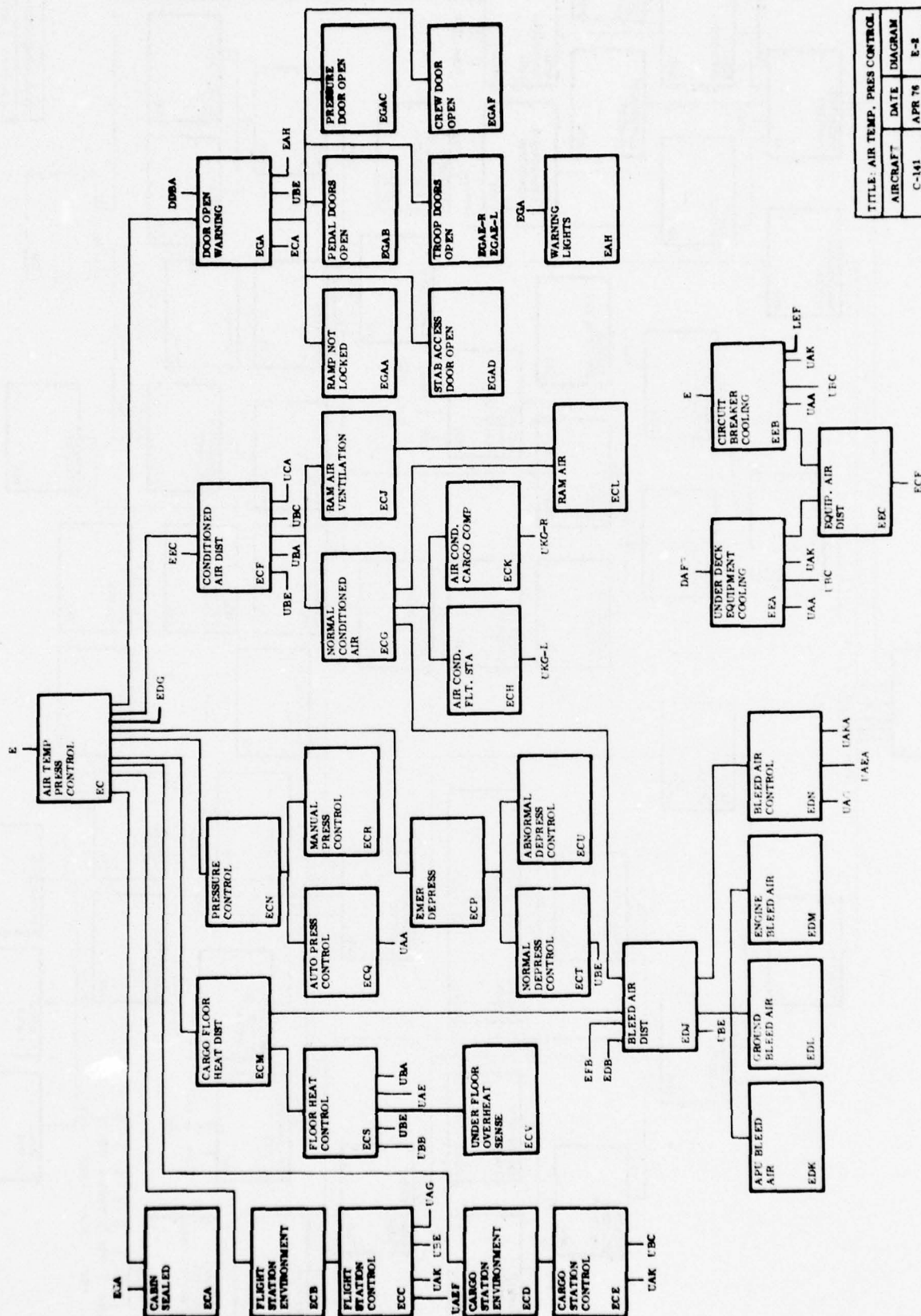


TITLE: APPROACH & LANDING AID		
AIRCRAFT	DATE	DIAGRAM
C-141	APR 78	C-3

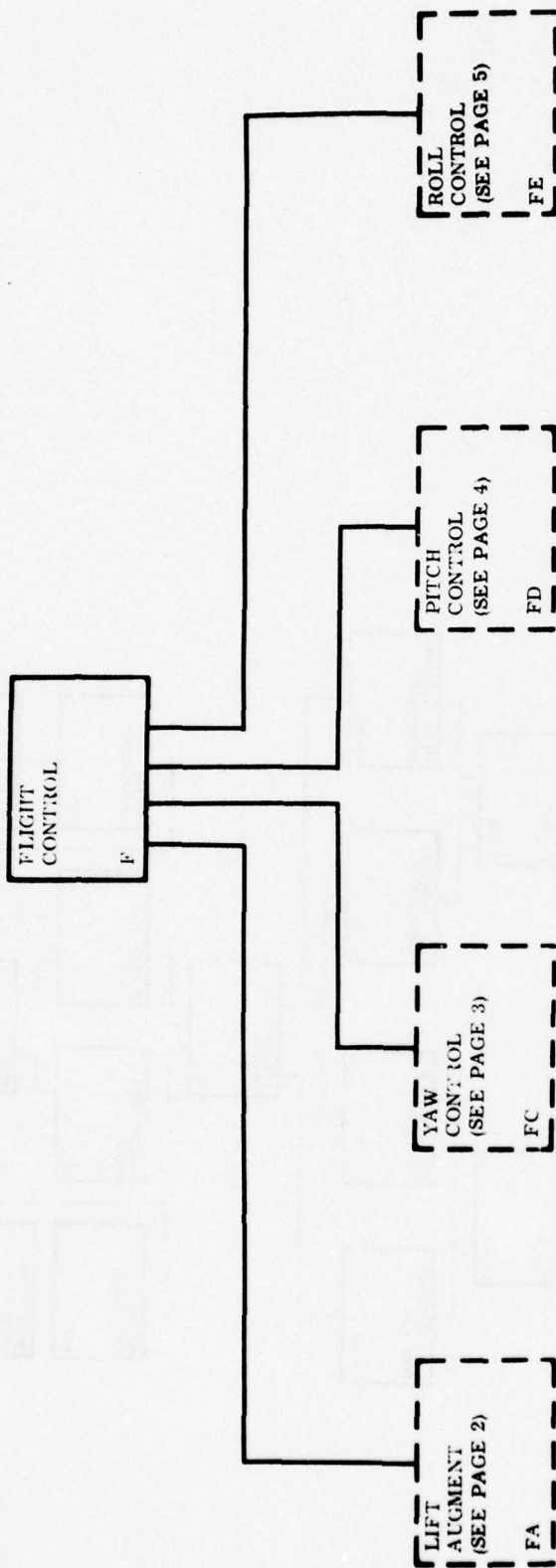


TITLE: WARNINGS		
AIRCRAFT	DATE	DIAGRAM
C-141	APR 78	D-2

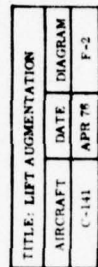


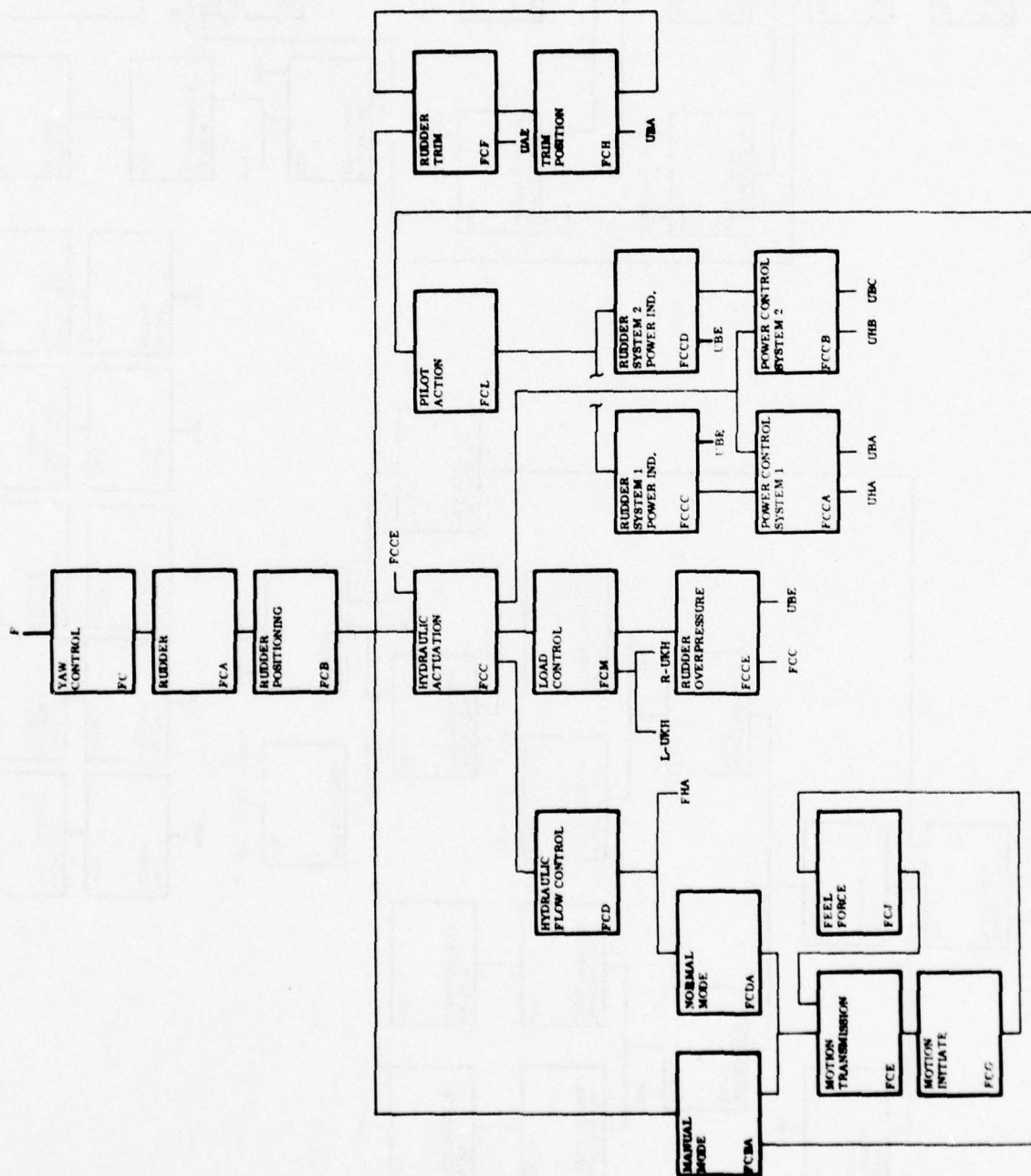


TITLE: AIR TEMP. PRES. CONTROL		
AIRCRAFT	DATE	DIAGRAM
C-141	APR 76	E-2

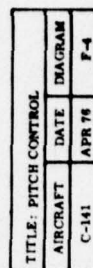


TITLE: FLIGHT CONTROL			
AIRCRAFT	DATE	DIAGRAM	
C-141	APR 76	F-1	

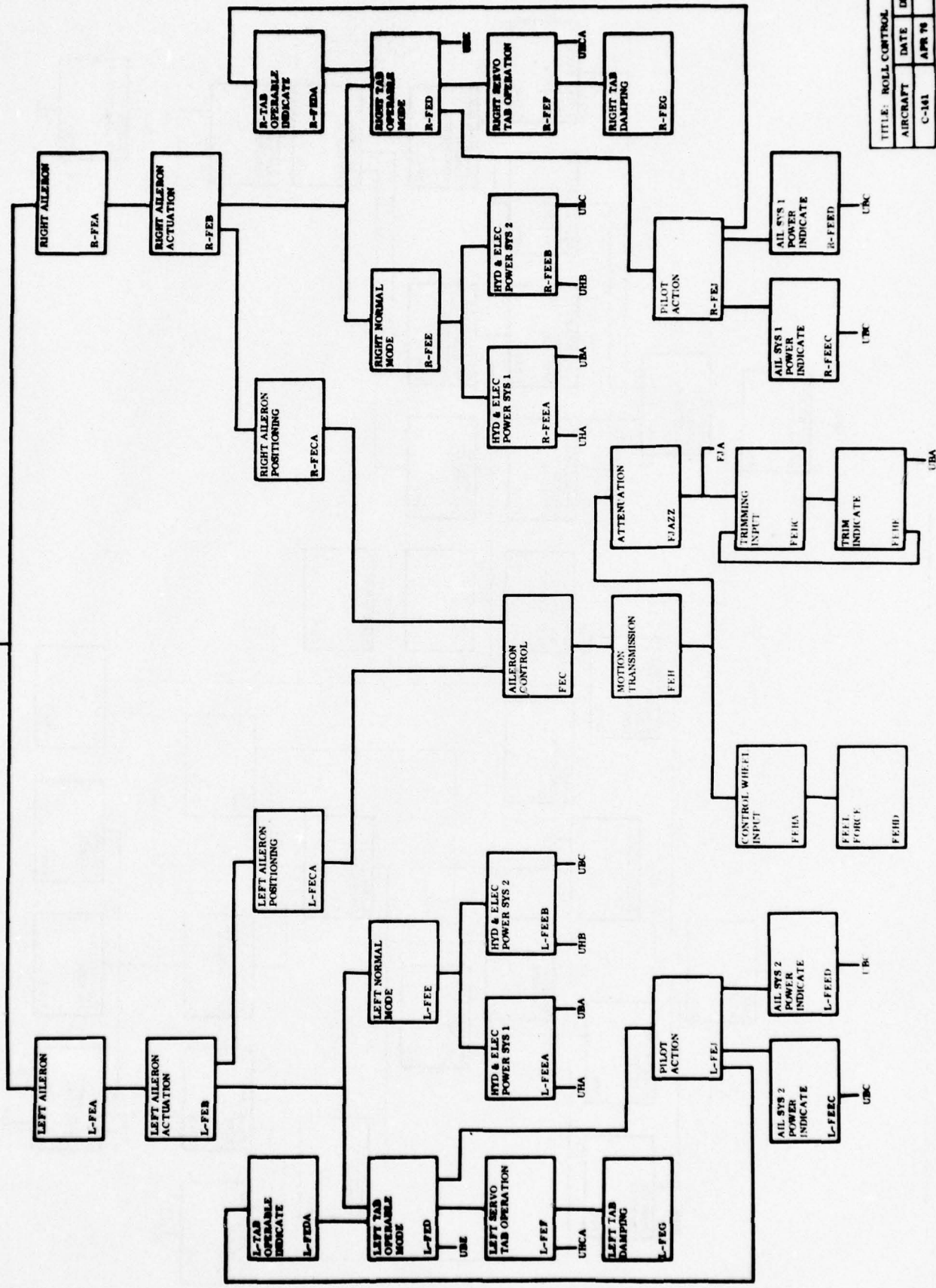


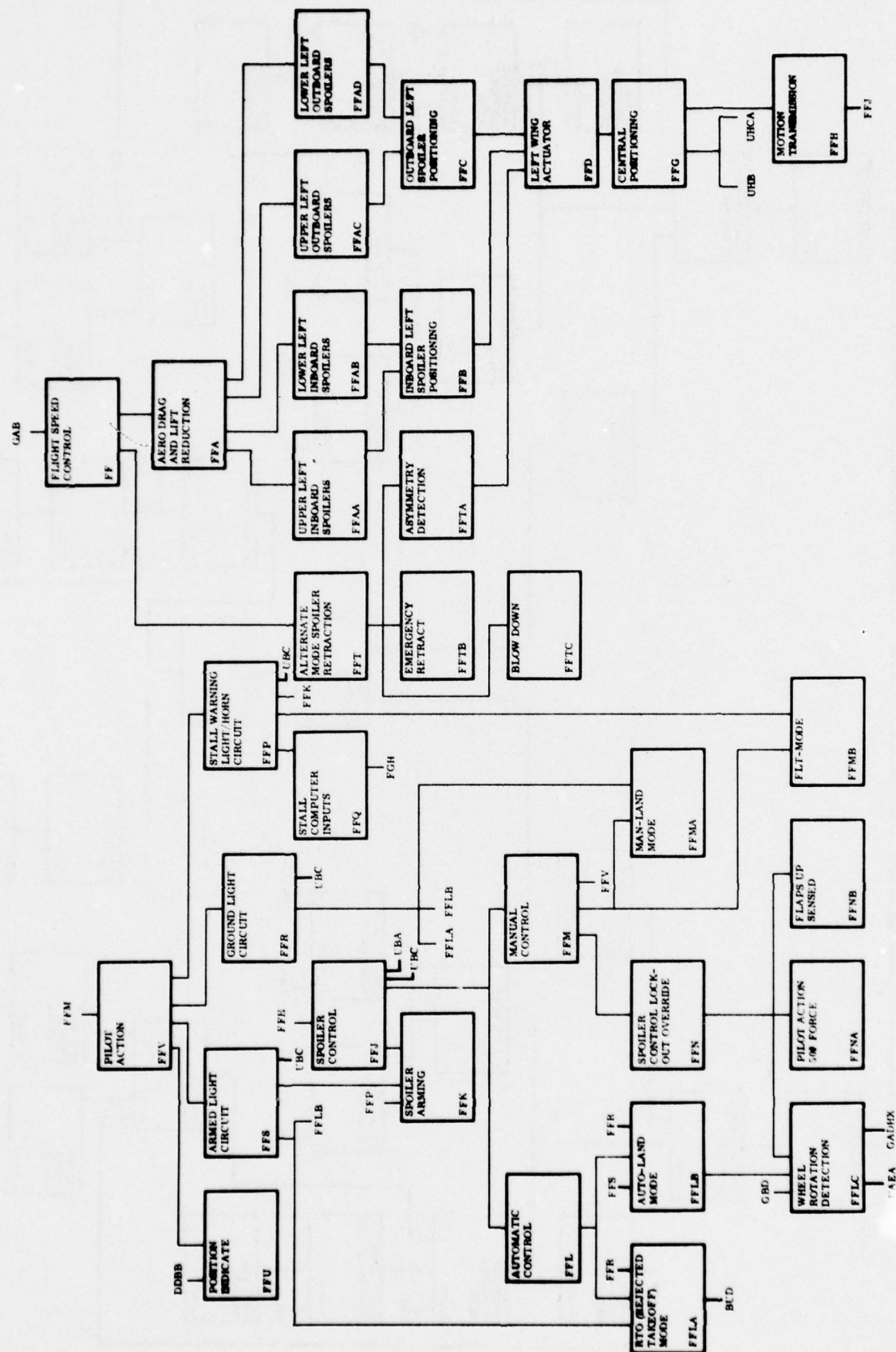


TITLE: YAW CONTROL			
AIRCRAFT	DATE	DIAGRAM	
C-141	APR 78	P-3	

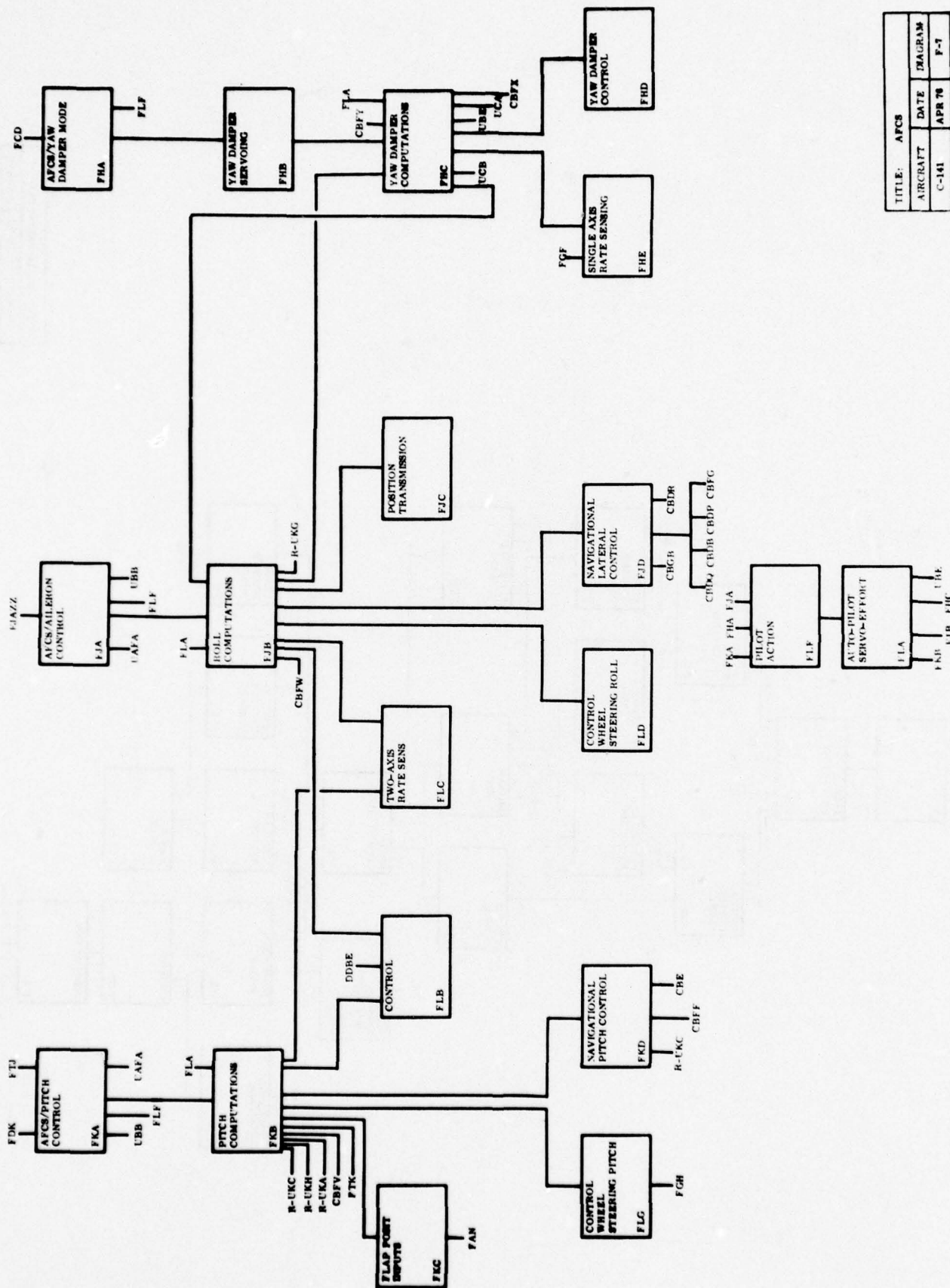


ROLL CONTROL
FE

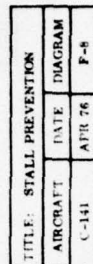


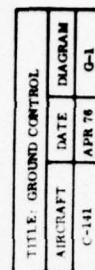


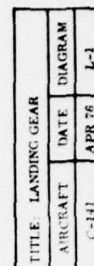
TITLE: FLIGHT SPEED CONTROL			
AIRCRAFT	DATE	DIAGRAM	
C-141	APR 76	P-4	

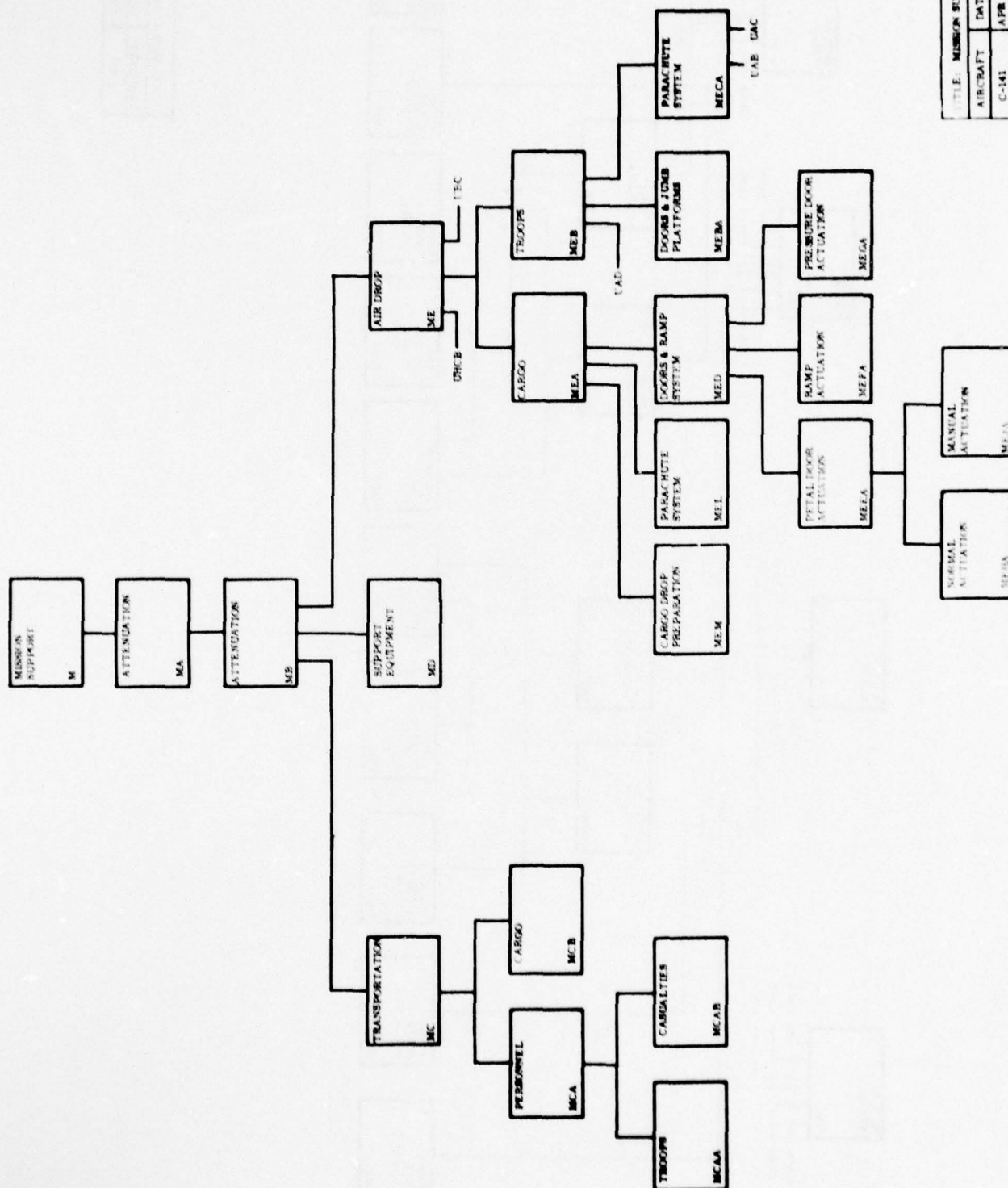


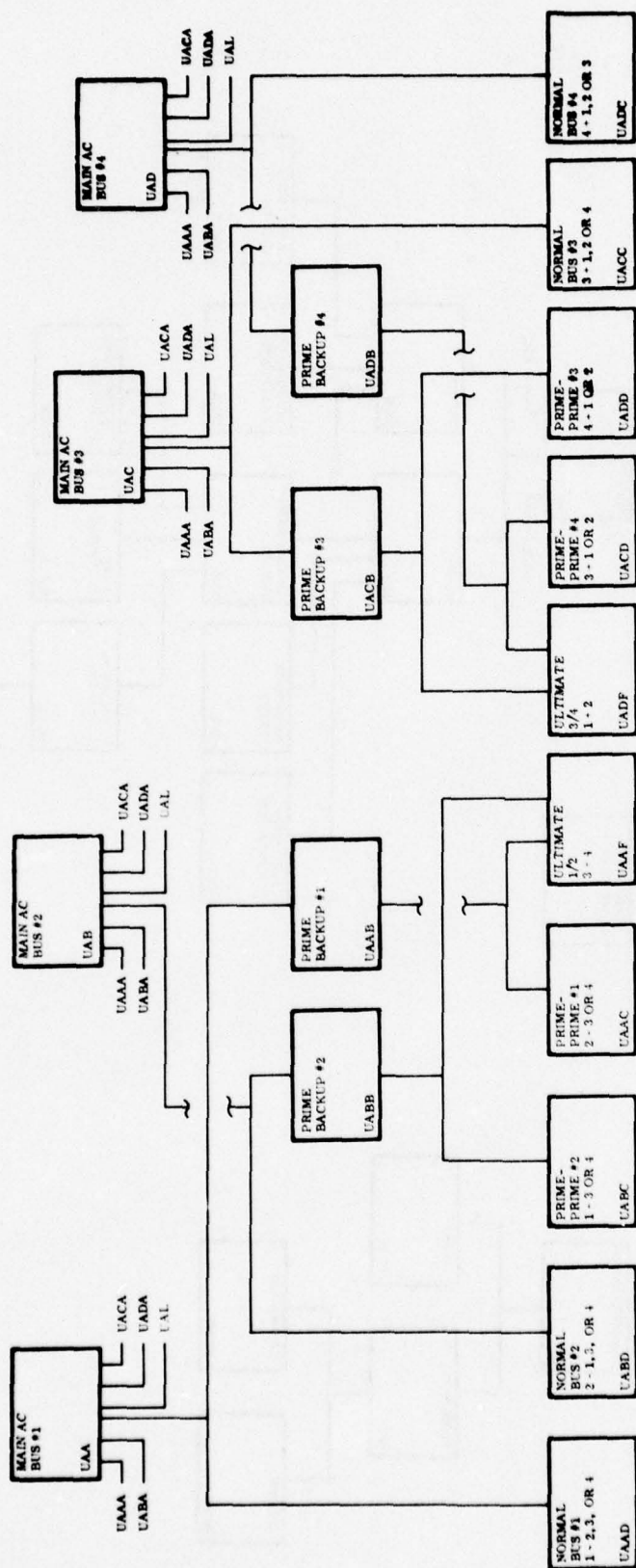
TITLE: AFCS		
AIRCRAFT	DATE	DIAGRAM
C-141	APR 78	F-7



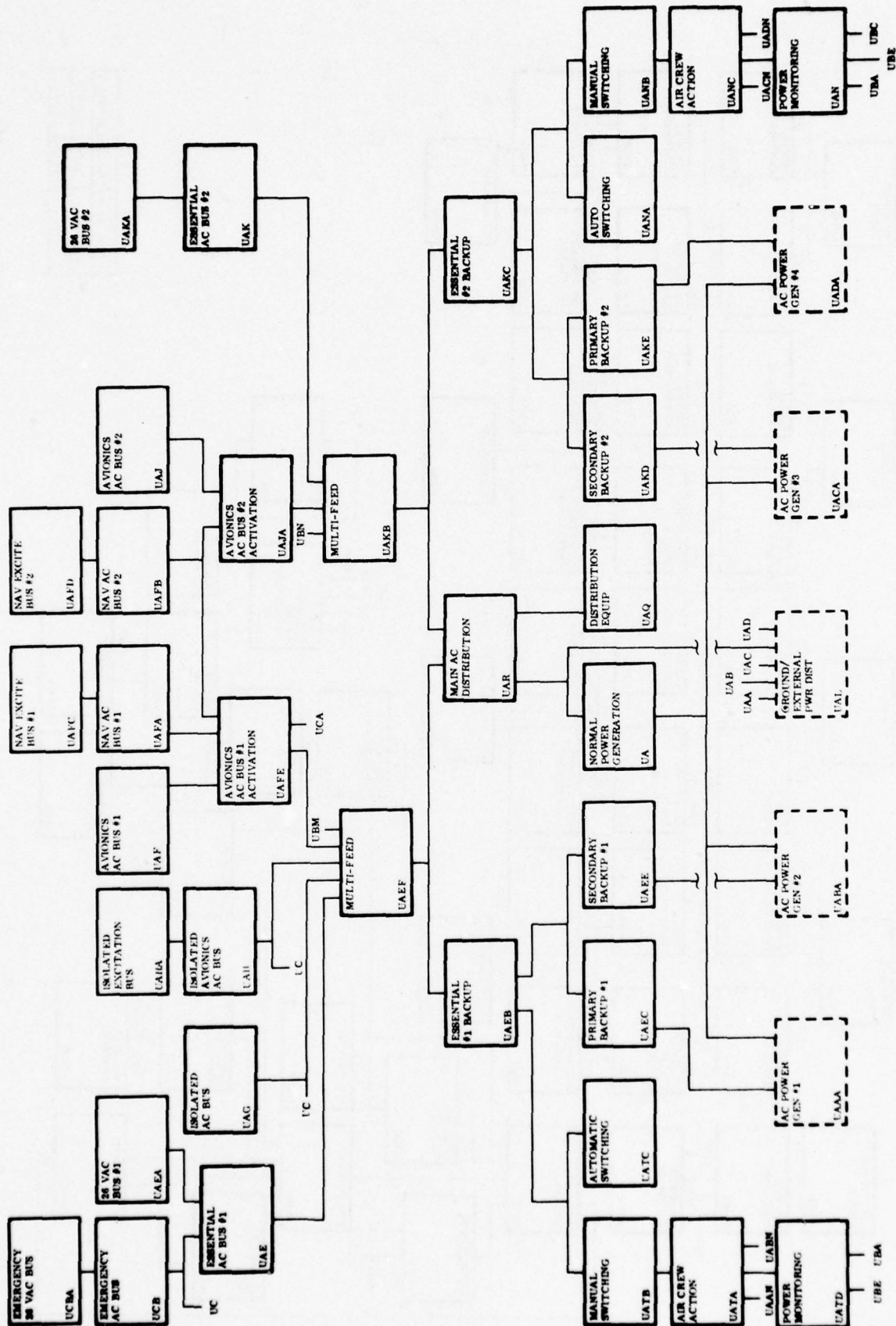




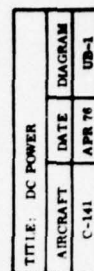


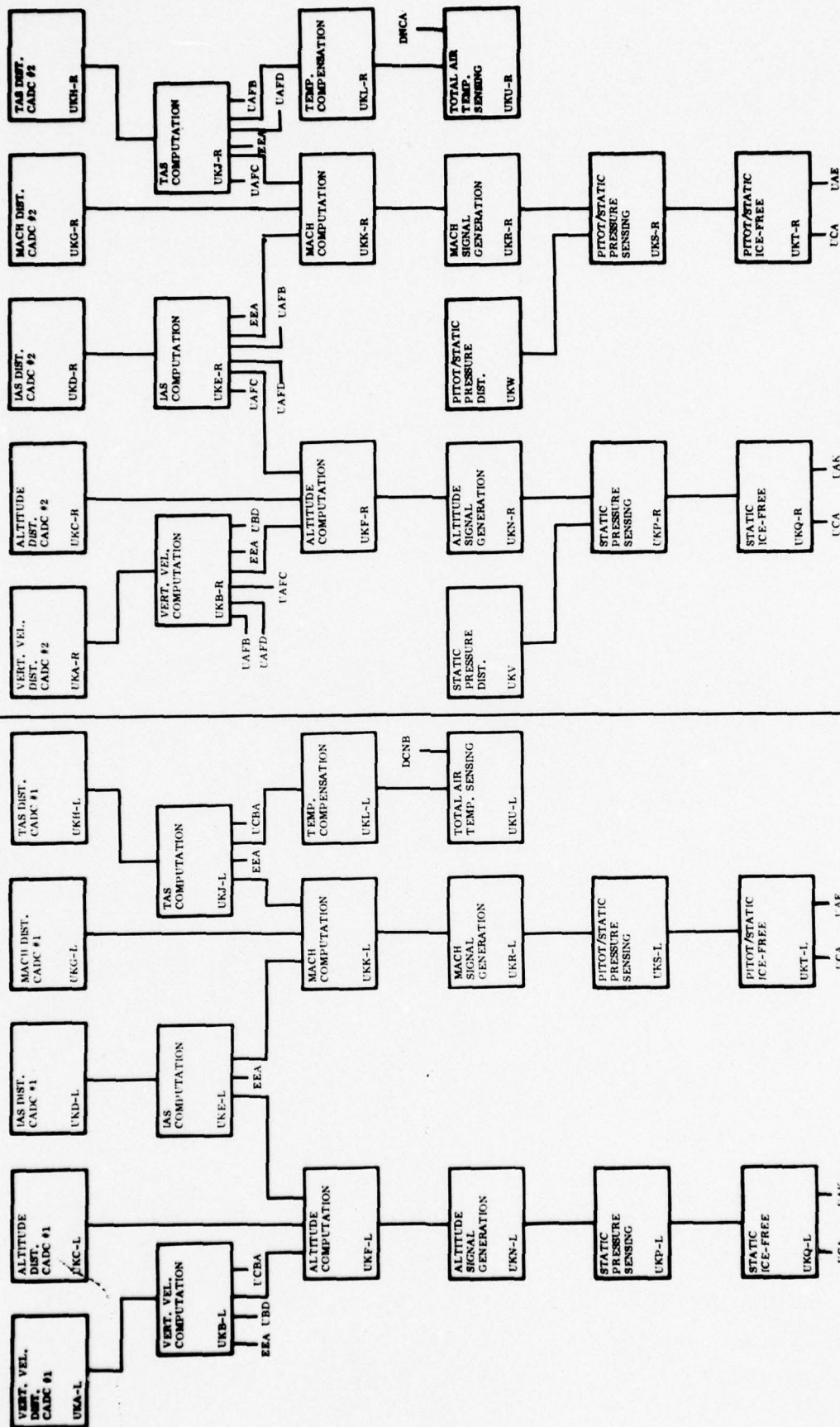


TITLE: MAIN AC POWER		
AIRCRAFT	DATE	DIAGRAM
C-141	APR 76	UA-1



TITLE: MULTIFEED AC POWER			
AIRCRAFT	DATE	DIAGRAM	
C-141	APR 76	UA-3	





TITLE: AIR DATA COMPUTER		
AIRCRAFT	DATE	DIAGRAM
C-141	APR 76	UK-1

PGG095.JJ1R1 DATE = 02/04/76

FLIGHT SAFETY PREDICTION TECHNIQUE

00000000111111111122222222223333333344444444555555556666666677777777778
 12345678901234567890123456789012345678901234567890123456789012345678901234567890
 PGG095.JJ1R1 C-141 141 1 141

141PROPULSION		B		AAAAAAAAA
141NO.1 FEED		BAB	BD	AAAAAAAAA
141WIRING	46AAH	BACA	BAB	1
141CROSSFEED VALVE SHUTOFF	46LAH	BASB	BAB	1
141ACTUATOR CROSSFEED SHUTOFF	46PAJ	BABC	BAB	1
141PLUAPING	46PAN	BABD	BAB	1
141HOUSE	46PAN	BABUA	BAB	1
141WIRING	46BAP	BABE	BAB	1
141SWITCH ROTARY	46DAA	BA3F	BAB	1
141WIRING	46LAE	BAFG	BAB	1
141 L SEPARATION 2-1		BAHJ	K HAC	80383888
141VALVE-LEFT OR RIGHT MAN SEP	46FAE	BAHJA	BAHJ	A
141ACTUATOR-LEFT OR RIGHT MAN SEP	46LAF	BAHJB	BAHJ	A
141SWITCH ROTARY	46LAA	BAHJC	BAHJ	2
141PRIMARY FEED		BAC	BAHJ	11111111
141NO.1 AUX FEED		BACA	BAC	11111111
141NO.1 AUX FEED		BACA	BAFJ	11111111
141NO.1 AUX SUPPLY		BACB	BACA	AAAAAAAAA
141SURGE RIX	46AAB	BACBA	BACB	0
141FILLER CAP	46AAC	BACBB	BACB	0
141FLAPPER VALVE FABRIC + EACH	46AAD	BACBC	BACB	0
141FLAPPER VALVE METAL + EACH	46AAE	BACBD	BACB	0
141VALVE CONDENSATE DRAIN	46AAF	BACBE	BACH	0
141EJECTOR-FUEL TRANSFER	46AAG	BACBF	BACH	1
141TANK AUXILIARY NO.1 OR NR4	46AAL	BACBG	BACB	A
141NO.1 AUX PRI PUMP		BACC	BACA	BACF 11111111
141FUEL BOOSTER PUMP-AUX-EXT	46AFB	BACCA	BACC	A
141CHECK VALVE	46BAK	BACCB	BACC	1
141EJECTOR FUEL TRANSFER 2EA	46BAC	BACCG	BACC	1
141PUMP CONTROL		BACD	BACC	AAAAAAAAA
141TOGGLE SWITCH-HOIST	9246B	BACDA	BACD	A
141RELAY	46DAD	BACDH	BACD	A
141PRESSURE LOW LIGHT		BACE	BACD	F11111111
141PRESSURE LOW LIGHT		BACE	BACG	11111111
141WARNING LIGHT	44FAR	BACEA	BACE	A
141SWITCH-LOW PRESSURE WARNING	46DAB	BACER	BACE	A
141NO.1 AUX SEC PUMP		BACF	K BACC	AAAAAAAAA
141FUEL BOOSTER PUMP-AUX-EXT	46BAH	BACFA	BACF	A
141CHECK VALVE	46BAK	BACFB	BACF	1
141EJECTOR FUEL TRANSFER 2EA	46BAC	BACFG	BACF	1
141PUMP CONTROL		BACG	BACF	AAAAAAAAA
141TOGGLE SWITCH-HOIST	9246B	BACGA	BACG	A
141RELAY	46DAD	BACGH	BACG	A
141PRESSURE LOW LIGHT		BACH	BACG	00000000
141WARNING LIGHT	44FAK	BACHA	BACH	A
141SWITCH-LOW PRESSURE WARNING	46DAB	BACHB	BACH	A
141OUTBD LH EXT RG FEED		BACJ	BAC	11111111
141OUTBD LH EXT RG FEED		BACJ	BAEJ	11111111
141LH EXT RG OTBD PUMP		HACK	BACJ	AAAAAAAAA

FLIGHT SAFETY PREDICTION TECHNIQUE

D-36

FLIGHT SAFETY PREDICTION TECHNIQUE

D-37

PG0000.JIR1 - DATE = 02/04/75

FLIGHT SAFETY PREDICTION TECHNIQUE

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0000000011111111110222222222333333333344444444445555555555666666666677777777778
12345678901234567890123456789012345678901234567890123456789012345678901234567890
141TUGEL SWITCH-HOIST 95453 BAFJA BAFJ A
141RELAY 461AD BAFJH BAFJ A
141PRESSURE LOW LIGHT BAFK BAFJ 111111111
141PRESSURE LOW LIGHT BAFK BAFM 111111111
141WARNING LIGHT 44BAR BAFKA BAFK A
141SWITCH-LOW PRESSURE WARNING 46BAR BAFKB BAFK A
141NO2 AUX SEC PUMP BAFLL BAFM K BAFH 444444444
141FUEL BOOSTER PUMP-AUX-EXT 46BAR BAFLA BAFLL A
141CHECK VALVE 46BAK BAFLB BAFLL 1
141EJECTOR FUEL TRANSFER 2EA 46BAC BAFLL BAFLL 1
141PUMP CONTROL BAFM BAFLL 444444444
141TUGEL SWITCH-HOIST 9546R BAFMA BAFM A
141RELAY 46BAD BAFMB BAFM A
141PRESSURE LOW LIGHT BAFN BAFM 000000000
141WARNING LIGHT 44BAR BAFNA BAFN A
141SWITCH-LOW PRESSURE WARNING 46BAC BAFNB BAFN A
141MAIN TO 2 FEED 5AG BAF 111111111
141SUCTION FEED BAGA K BAGE 444444444
141NO.2 MAIN SUPPLY BAGB BAJJ 111111111
141NO.2 MAIN SUPPLY BAGB BAG 444444444
141NO.2 MAIN SUPPLY BAGB BAGA 444444444
141NO.2 MAIN SUPPLY BAGB BAGE 444444444
141NO.2 MAIN SUPPLY BAGB BAHK 111111111
141NO.2 MAIN SUPPLY BAGB UAMJ 444444444
141SURGE BOX 46BAB BAGBA BAGB 0
141FLAP VLV FABRIC 46BAE 46AAD BAGBC BAGB 0
141FLAP VLV METAL 46BAE 46AAD BAGBD BAGB 0
141 VALVE COND SPACE DRAIN 2EA 46BAF BAGBE BAGB 0
141EJECTOR FUEL TRANS. 46BAG BAGBF BAGB 1
141TANK MAIN NO.2 OR 3 46BAK BAGBG BAGB A
141NO.2 MAIN FEED HACC BAJJ 111111111
141NO.2 MAIN FEED HACC BAG BAGA 111111111
141NO.2 MAIN FEED HACC BAHK 111111111
141PUMP CONTROL HACC HACC 444444444
141TUGEL SWITCH-HOIST 2 EACH 9945B BAGDA BAGD 1
141RELAY 46BAD BAGDB BAGD 1
141PRESSURE LOW LIGHT BAGE I BAGE 222222222
141WARNING LIGHT 44BAR BAGEA BAGE A
141SWITCH-LOW PRESSURE WARNING 46BAB BAGEB BAGE A
141NO2 MAIN PRI PUMP BAGE HACC 111111111
141FUEL BOOSTER PUMP-MAIN TANK 46BAA BAGFA BAGF A
141CHECK VALVE 46BAK BAGFB BAGF 1
141EJECTOR FUEL TRANSFER 2EA 46BAC BAGFG BAGF 1
141NO2 MAIN SEC PUMP BAGG K BAGE 444444444
141FUEL BOOSTER PUMP-MAIN TANK 46BAA BAGGA BAGG A
141CHECK VALVE 46BAK BAGGB BAGG 1
141EJECTOR FUEL TRANSFER 2EA 46BAC BAGGG BAGG 1
141NO.3 FEED BAH BW 444444444
141WARNING 46BAH BAH 1
141CROSSFEED VALVE SHUTOFF 46BAH BAH 1

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PG0095.JIR1 DATE = 02/04/76

FLIGHT SAFETY PREDICTION TECHNIQUE

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0000000011111111222222223333333344444444555555556666666677777777778
124567890123456789012345678901234567890123456789012345678901234567890
141ACTUATOR CROSSFEED SHUTOFF 46LAJ BAHK BAH 1
141PUMPING 46EAM BAHU BAH 1
141HOSE 46EAM BAHUA BAH 1
141WIRING 46EAP BAHK BAH 1
141SWITCH ROTARY 46DAA BAHF BAH 1
141WIRING 46EAE BAHG BAH 1
141 R SEPERATION 4-3 BAHJ BAEK 11111111
141 R SEPERATION 4-3 BAHJ BAH K BAJ 11111111
141VALVE-LEFT OR RIGHT MAN SLP 46FAE BAHJA BAHJ A
141ACTUA-LEFT OR RIGHT MAN SEP 46EAF BAHJB BAHJ A
141SWITCH-ROTARY 46DAA BAHJC BAHJ 2
141CENTSEPERATION L-R BAHK BAH K BAJ 11111111
141CENTSEPERATION L-R BAHK BALJ 11111111
141SHUTOFF VALVE CENTER MANIF. 46EAL BAHKA BAHK A
141ACTUATOR 46EAL BAHKB BAHK A
141SWITCH-ROTARY 46DAA BAHKC BAHK 2
141PRIMARY FEED BAJ BAH BAHJ 11111111
141NO3 AUX FEED BAJA BAEK 11111111
141NO3 AUX FEED BAJA BAJ 11111111
141NO3 AUX FEED BAJA BALJ 11111111
141NO3 AUX SUPPLY BAJB BAJA AAAAAA
141SURGE BOX 46AAH BAJBA BAJB 0
141FILLER CAP 46AAC BAJBB BAJB 0
141FLAPPER VALVE FABRIC 3 EACH 46AAD BAJBC BAJB 0
141FLAPPER VALVE METAL 3 EACH 46AAE BAJBD BAJB 0
141VALVE CONDENSATE DRAIN 46AAF BAJBE BAJB 0
141EJECTOR-FUEL TRANSFER 46AAG BAJBF BAJB 1
141TANK AUXILLARY NR2 OR NR3 46AAM BAJBG BAJB A
141NO3 AUX PRI PUMP BAJC BAJA BAJF 11111111
141FUEL BOOSTER PUMP-AUX-EXT RG 46GAR BAJCA BAJC A
141CHECK VALVE 46BAK BAJCB BAJC 1
141EJECTOR FUEL TRANSFER 2EA 46BAC BAJCG BAJC 1
141PUMP CONTROL BAJD BAJC AAAAAA
141TOGEL SWITCH-BOOST 9946B BAJDA BAJD A
141RELAY 46DAD BAJDB BAJD A
141PRESSURE LOW LIGHT BAJE BAJD F11111111
141PRESSURE LOW LIGHT BAJE BAJG 11111111
141WARNING LIGHT 44BAR BAJFA BAJE A
141SWITCH-LOW PRESSURE WARNING 46DAB BAJEB BAJE A
141NO3 AUX SEC PUMP BAJF BAJA K BAJC AAAAAA
141FUEL BOOSTER PUMP-AUX-EXT RG 46FAD BAJFA BAJF A
141CHECK VALVE 46BAK BAJFB BAJF 1
141EJECTOR FUEL TRANSFER 2EA 46BAC BAJFG BAJF 1
141PUMP CONTROL BAJG BAJF AAAAAA
141TOGEL SWITCH 9946B BAJGA BAJG A
141RELAY 46DAD BAJGB BAJG A
141PRESSURE LOW LIGHT BAJH BAJG 00000000
141WARNING LIGHT 44PAR BAJHA BAJH A
141SWITCH-LOW PRESSURE WARNING 46DAB BAJHB BAJH A
141OUTBD RH EXT PG FEED BAJJ BAEK 11111111

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PG0095.J121 DATE = 02/04/76

FLIGHT SAFETY PREDICTION TECHNIQUE

000000001111111122222222333333334444444455555555666666667777777777			
1234567890123456789012345678901234567890123456789012345678901234567890			
1410UI30 RH EXT RG FEED	BAJJ	BAJ	11111111
1410UI30 RH EXT RG FEED	BAJJ	BALJ	11111111
1410UI30 RH EXT RG FEED	BAJK	BAJJ	AAAAAAAA
1410UI30 RH EXT RG FEED	BAJKA	BAJK	A
1410UI30 RH EXT RG FEED	BAJKB	BAJK	1
1410UI30 RH EXT RG FEED	BAJKB	BAJK	1
1410UI30 RH EXT RG FEED	BAJL	BAJK	AAAAAAAA
1410UI30 RH EXT RG FEED	BAJLA	BAJL	A
1410UI30 RH EXT RG FEED	BAJLB	BAJL	A
1410UI30 RH EXT RG FEED	BAJM	BAHJ	I BAJK 11111111
1410UI30 RH EXT RG FEED	BAJM	BAJL	F11111111
1410UI30 RH EXT RG FEED	BAJMA	BAJM	A
1410UI30 RH EXT RG FEED	BAJMB	BAJM	A
1410UI30 RH EXT RG FEED	BAK	BAJ	11111111
1410UI30 RH EXT RG FEED	BAKA	BAK	K BAKC AAAAAAAAAA
1410UI30 RH EXT RG FEED	BAKB	BAEK	S11111111
1410UI30 RH EXT RG FEED	BAKB	BAK	SAAAAAAAAA
1410UI30 RH EXT RG FEED	BAKB	BAKA	FAAAAAAAAA
1410UI30 RH EXT RG FEED	BAKB	BAKC	FAAAAAAAAA
1410UI30 RH EXT RG FEED	BAKB	BALJ	S11111111
1410UI30 RH EXT RG FEED	BAKBA	BAKB	0
1410UI30 RH EXT RG FEED	BAKBB	BAKB	0
1410UI30 RH EXT RG FEED	BAKBC	BAKB	0
1410UI30 RH EXT RG FEED	BAKBD	BAKB	0
1410UI30 RH EXT RG FEED	BAKBE	BAKB	0
1410UI30 RH EXT RG FEED	BAKBF	BAKB	1
1410UI30 RH EXT RG FEED	BAKBG	BAKB	A
1410UI30 RH EXT RG FEED	BAKC	BAEK	11111111
1410UI30 RH EXT RG FEED	BAKC	BAK	BAKA 11111111
1410UI30 RH EXT RG FEED	BAKC	BALJ	11111111
1410UI30 RH EXT RG FEED	BAKD	BAKC	AAAAAAAA
1410UI30 RH EXT RG FEED	BAKDA	BAKD	A
1410UI30 RH EXT RG FEED	BAKDB	BAKD	1
1410UI30 RH EXT RG FEED	BAKE	PAKD	I BAKF 22222222
1410UI30 RH EXT RG FEED	BAKEA	BAKE	A
1410UI30 RH EXT RG FEED	BAKEB	BAKE	A
1410UI30 RH EXT RG FEED	BAKEF	BAKC	BAKG 11111111
1410UI30 RH EXT RG FEED	BAKFA	BAKE	A
1410UI30 RH EXT RG FEED	BAKEB	BAKE	1
1410UI30 RH EXT RG FEED	BAKEG	BAKE	1
1410UI30 RH EXT RG FEED	BAKG	BAKC	K BAKF AAAAAAAAAA
1410UI30 RH EXT RG FEED	BAKGA	BAKG	A
1410UI30 RH EXT RG FEED	BAKG3	BAKG	1
1410UI30 RH EXT RG FEED	BAKG6	BAKG	1
1410UI30 RH EXT RG FEED	HAL	BX	AAAAAAAA
1410UI30 RH EXT RG FEED	PALA	BAL	1
1410UI30 RH EXT RG FEED	BALB	BAL	1
1410UI30 RH EXT RG FEED	BALC	BAL	1
1410UI30 RH EXT RG FEED	BALD	BAL	1
1410UI30 RH EXT RG FEED	BALDA	BAL	1

PG0095, J191 DATE = 02/04/78

FLIGHT SAFETY PREDICTION TECHNIQUE

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000000000111111111222222223333333344444444555555556666666677777777778
1234567890123456789012345678901234567890123456789012345678901234567890
141WIRING 46EAP BALF BAL 1
141SWITCH POTARY 46DAA BALF BAL 1
141WIRING 46DAE BALG BAL 1
141 2 SEPERATION 3-4 BALJ K 344 288883838
141VALVE-LEFT OR RIGHT MAN SEP 46EAE BALJA BALJ A
141ACTUA-LEFT OR RIGHT MAN SEP 46EAF BALJB BALJ A
141SWITCH, ROTARY 46DAA BALJC BALJ 2
141PRIMARY FEED BAM BALJ 111111111
141IND RH EXT RG FEED BAMA BALJ 111111111
141IND RH EXT RG FEED BAMA BAM 111111111
141RH EXTD RG SUPPLY BAMB BAJJ AAAAAAAAA
141RH EXTD RG SUPPLY BAMB BAMA AAAAAAAAA
141SURGE BOX 46AAB BAMBA BAMB 1
141FILLER CAP 46AAC BAMBB BAMB 1
141FLAPPER VALVE FABRIC 2 EACH 46AAD BAMBC BAMB 0
141FLAPPER VALVE METAL 2 EACH 46AAE BAMBD BAMB 0
141VALVE CONDENSATE DRAIN 46AAF BAME BAMB 0
141JECTOR FUEL TRANSFER 46AAG BAMBF BAMF 1
141TANK EXTENDED RANGE 46AAR BAMBG BAMF A
141RH EXT RG INDI PUMP BAMC BAMA AAAAAAAAA
141FUEL BOOSTER PUMP-AUX-EXT PG 46EAB BAMCA BAMC A
141CHECK VALVE 46PAK BAMCB BAMC 1
141JECTOR FUEL TRANSFER 2EA 46PAC BAMCG BAMC 1
141PUMP CONTROL BAMD BAMC AAAAAAAAA
141TOGEL SWITCH 9946B BAMDA BAMD A
141RELAY 46DAD BAMDB BAMD A
141PRESSURE LOW LIGHT BAME BALJ I 344 111111111
141PRESSURE LOW LIGHT BAME BAMD F 111111111
141WARNING LIGHT 46EAB BAMEA BAME A
141SWITCH-LOW PRESSURE WAPNING 46EAB BAMEB BAME A
141IND4 AUX FEED BAMF BAHJ 111111111
141IND4 AUX FEED BAMF BAM 111111111
141IND4 AUX SUPPLY BAMF BAMF AAAAAAAAA
141SURGE BOX 46AAB BANGA BANG 0
141FILLER CAP 46AAC BANGB BANG 0
141FLAPPER VALVE FABRIC 3 EACH 46AAD BANGC BANG 0
141FLAPPER VALVE METAL 3 EACH 46AAE BANGD BANG 0
141VALVE CONDENSATE DRAIN 46AAF BANGE BANG 0
141JECTOR-FUEL TRANSFER 46AAG BANGF BANG 1
141TANK AUXILLARY FRI OF NR4 46AAL BANGG BANG A
141IND4 AUX PRI PUMP BAMH BAMF HAML 111111111
141FUEL BOOSTER PUMP-AUX-EXT RG 46EAB BAMHA BAMH A
141CHECK VALVE 46PAK BAMHB BAMH 1
141JECTOR FUEL TRANSFER 2EA 46PAC BAMHG BAMH 1
141PUMP CONTROL BAMJ BAMH AAAAAAAAA
141TOGEL SWITCH 9946B BAMJA BAMJ A
141RELAY 46DAD BAMJB BAMJ A
141PRESSURE LOW LIGHT BAMK BAMJ F 111111111
141PRESSURE LOW LIGHT BAMK BAMM 111111111
141WARNING LIGHT 46EAB BAMKA BAMK A

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PG0095.JIR1 DATE = 02/04/77

FLIGHT SAFETY PREDICTION TECHNIQUE

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1234567890123456789012345678901234567890123456789012345678901234567890			
141SWITCH-LOW PRESSURE WARNING 460AB	BANKB	BANK	A
141NO.4 AUX SEC PUMP	BANKL	BANK	K BANK AAAAAA
141FUEL BOOSTER PUMP-AUX-EXT 460AB	BANKL	BANK	A
141CHECK VALVE 460AB	BANKL	BANK	1
141EJECTOR FUEL TRANSFER 2EA 460AC	BANKL	BANK	1
141PUMP CONTROL	BANKM	BANK	AAAAA
141TUGEL SWITCH 9946B	BANKM	BANK	A
141RELAY 460AD	BANKM	BANK	A
141PRESSURE LOW LIGHT	BANKN	BANK	00000000
141WARNING LIGHT 460AB	BANKN	BANK	A
141SWITCH-LOW PRESSURE WARNING 460AB	BANKN	BANK	A
141MAIN TO 4 FEED	BANK	BANK	11111111
141SUCTION FEED	BANK	K BANK	AAAAA
141NO.4 MAIN SUPPLY	BANK	BANK	11111111
141NO.4 MAIN SUPPLY	BANK	BANK	AAAAA
141NO.4 MAIN SUPPLY	BANK	BANK	AAAAA
141NO.4 MAIN SUPPLY	BANK	BANK	AAAAA
141SURGE BOX 460AB	BANK	BANK	0
141FILLER CAP 460AC	BANK	BANK	0
141FLAP VLV FABRIC 460AB	BANK	BANK	0
141FLAP VLV METAL 460AB	BANK	BANK	0
141VALVE COND. DRAIN 3 EACH 460AB	BANK	BANK	0
141EJECTOR FUEL TRANS. 460AC	BANK	BANK	1
141TANK MAIN NO 1 OF 4 460AA	BANK	BANK	A
141NO.4 MAIN FEED	BANK	BANK	11111111
141NO.4 MAIN FEED	BANK	BANK	11111111
141CHECK VALVE 460AB	BANK	BANK	A
141PUMP CONTROL	BANK	BANK	AAAAA
141TUGEL SWITCH 2 EACH 9946B	BANK	BANK	1
141RELAY 460AD	BANK	BANK	1
141PRESSURE LOW LIGHT	BANK	BANK	I BANK 22222222
141WARNING LIGHT 460AB	BANK	BANK	A
141SWITCH-LOW PRESSURE WARNING 460AB	BANK	BANK	A
141NO.4 MAIN PRT PUMP	BANK	BANK	BANK 11111111
141FUEL BOOSTER PUMP-MAIN TANK 460AB	BANK	BANK	A
141CHECK VALVE 460AB	BANK	BANK	1
141EJECTOR FUEL TRANSFER 2EA 460AC	BANK	BANK	1
141NO.4 MAIN SEC PUMP	BANK	K BANK	AAAAA
141FUEL BOOSTER PUMP-MAIN TANK 460AB	BANK	BANK	A
141CHECK VALVE 460AB	BANK	BANK	1
141EJECTOR FUEL TRANSFER 2EA 460AC	BANK	BANK	1
141FEED - GROUND	BANK	BANK	00000000
141VALVE-FUEL DRAIN 460AA	BANK	BANK	0
141ADAPTER - REFUELING 460AB	BANK	BANK	1
141VALVE MANIFOLD ISOLATION 460AC	BANK	BANK	A
141EJECTOR -MANIF. ISOL. VALVE 460AD	BANK	BANK	A
141CHECK VALVE 460AE	BANK	BANK	A
141VALVE-ORIAL LEVEL CONTROL 460AF	BANK	BANK	A
141ADAPTER - REFUELING 460AG	BANK	BANK	0
141VALVE-THERMAL RELIEF CHECK 460AH	BANK	BANK	0

PGG95.JIN1 DATE = 02/04/75

FLIGHT SAFETY PREDICTION TECHNIQUE

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00000000111111112222222222333333333344444444445555555555666666666677777777778
12345678901234567890123456789012345678901234567890123456789012345678901234567890
141PUMP-REFUEL DRAIN AND TRANS 46CAJ BAPJ BAP 1
141VALVE-MOTOR OPERATED, SHUTOFF 46CAK BAPK BAP A
141PLUMBING 46CAL BAPL BAP A
141WIRING 46CAM BAPM BAP 2
141PUMP SPR DRAIN 46CAN BAPN BAP 1
141SWITCH TUGGEL 10 EA 9946A BAPP BAP 1
141SWITCH POTARY 46DAA BAPQ BAP 2
141VENTING BAQ B 001111100
141VENT BOX 4EA 46EAA BAQA BAQ 0
141EJECTOR ASSEMBLY 46EAB BAQB BAQ 0
141VENT-STANDPIPE ASSEMBLY 46EAC BAQC BAQ 1
141VALVE-CHECK 46EAD BAQD BAQ 0
141PLUMBING 46EAE BAQE BAQ 1
141FUEL LUMP RC FA 001111110
141VALVE JETTISON 46FAA BCA BC A
141ACTUATOR JETT. SHUTOFF VALVE 46FAB BCE BC A
141SCREEN 46FAC BCC BC 1
141PLUMBING 46FAD BCD BC 5
141MAST 2 EA 46FAE BCE BC 1
141FLAM ARRESTOR 2 EA 46FAF BCF BC 3
141JETTISON CONTROL BCJ BC AAAAAA
141TOGGLE SWITCH 1 EA 9946A BCJA BCJ A
141ENGINE 1 PROPULSION BD 5 BZ 0A4AAAAA
141CONTAINED BDA BD AAAAAA
141VANE AND SHROUD ASSEMBLY 23AAA BDA A
141NOSE DOME 23POA BDA A
141NOSE COWL 23POB BDA 1
141FORWARD COWL DOOR 23POD BDA 1
141HEAT SHIELD TURBINE 23POG BDA 1
141ENGINE MOUNT FORWARD 23POH BDA 8
141ENGINE MOUNT AFT 23POJ BDA 3
141FORWARD VERTICAL FIRE WALL 23POK BDA 1
141AFT VERTICAL FIRE WALL 23POL BDA 1
141HORIZONTAL FIRE WALL 23POM BDA 1
141AFT COWL SUPPORT 23PON BDA 1
141FAIRING-PYLON TO ENGINE 23POP BDA 1
141ENGINE MOUNT BOLT 4 EA 23POQ BDA 8
141DOOR FIRE ACCESS 23POR BDA 0
141KID ASSEMBLY HOLD OPEN 23POS BDA 0
141LATCH ASSEMBLY COWL DOOR 23POT BDA 0
141DOOR ASSY-ACCESSORY ACCESS 23POU BDA 0
141HINGE COWL DOOR 23POV BDA 0
141HINGE BRACKET COWL DOOR 23POZ BDA 0
141LATCH BRACKET COWL DOOR 23PQ1 BDA 0
141AFT COWL DOOR LEFT 23PQ2 BDA 0
141AFT COWL DOOR RIGHT 23PQ3 BDA 0
141SUPPORT COWL FORWARD 23PQ5 BDA 1
141DOOR BLOW OUT ZONE NO.1 23PQ6 BDY 1
141DOOR BLOW OUT ZONE NO.2 23PQ7 BDZ 1
141THRUST BE BD AAAAAA

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PGG095.JIR1 DATE = 02/04/77

FLIGHT SAFETY PREDICTION TECHNIQUE

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000000001111111122222222333333334444444455555555666666667777777777
1234567890123456789012345678901234567890123456789012345678901234567890
141THROUST HE BU 35555555
141CASE- ASSEMBLY TURBINE EXHST 23ECA BEA A
141DUCT WELDMENT TURB REAR PRG 23ECB BEB 2
141HOUSING WELD TURB REAR BRG 23ECC BEAC BF A
141SEAL ASSY TURB REAR SHAFT G 23ECD BEAD BE 7
141PINION TURB REAR BEAR OIL 23ECE BEAE BHC 7
141SEAL ASSM REAR BEAR OIL 23ECF BEAF BHC 7
141HEATSHIELD ASSM TURB REAR 23ECG BEAG BE 1
141DUCT TURBINE EXHAUST 23ECH BEAH BE A
141STRUT WELDMENT TURB EXHAUST 23ECJ BEAJ BE 2
141PRIMARY EXHAUST NOZZLE 23ECK BEAK BE 1
141SECONDARY EXHAUST NOZZLE 23ECL BEAL BE 1
141PRIMARY EXHAUST NOZZ 23ECM BEAM BE 1
141TAIL CONE 23ECN BEAN BE 1
141PRIMARY EXHAUST NOZZLE 23ECK 23ECP BEAP BE 1
141ENG/MACEL ANTI-ICE BEB A 055555550
141VALVE ANTI ICE ENG INLET 23LEA BEBA BEB 8
141REGULATOR ASSY-ANTI-ICE 23LEB BEBB BEB 8
141MANIFOLD ASSY OF-AIR DIF CAS23LECD BEBC BEB 2
141TUBE ASSY-OF ANTI-ICE AIR RE23LECE BEBD BEB 1
141TUBE ASSY-OF ANTI-ICE AIR LE23LECF BEBE BEB 1
141TUBE ASSY-OF ANTI-ICE AIR RE23LECG BEBF BEB 1
141TES ASSY-OFF ANTI ICE AIR TA23LECH BEBG BEB 1
141DUCT MACELLE NOSE COWL 23LEJ BEBH BEB 2
141REGULATOR ANTI-ICING AIR 23LEK BEBJ BEB 8
141VALVE MACELLE NOSE COWL ANTI23LEL BEBK BEB 8
141ACT ENG INLT ANTI VALVE INLT23LEF BEBL BEB 8
141ACT MACELL ANTI-ICING 23LEP BEBM BEB 8
141WIRING 23LEK BEBN BEB 6
141WIRING 41EAC BEBP BEC 6
141ECTIFIER ENGINE ANTI-ICING 23LRE BEBQ BEB C
141RELAY MACELL ANTI-ICE 23LRC BEBR BEB A
141VALVE CHECK 23LCP BEBS BEB 2
141ICE DETECT CONTROL BEC BEB 22222222
141SWITCH ENGINE/MACELLE ANT-IC23LEFD BECA BEC A
141SWITCH CONTROL 41FAD BECB BEC A
141PILOT ACTION BEF BEC AAAAAA
141ICING LIGHT BEF BEF 66666666
141WARNING LIGHT 44EBC BEFA BEF A
141 CONTROL UNIT 44EHA BEFAA BEF 1
141 LIGHT ASSY MASTER CAUTION 44EPH BEFAB BEF 1
141ANTI-ICE IN LIGHT BEG BEF 11111111
141WARNING LIGHT 44FAP BEGA BEG A
141ICE DETECT TEST BEH BEF 00000000
141ICE DETECT TEST SWITCH 9923B BEHA BEH A
141ICE DETECTOR BEJ BEB SAAAAAAAAA
141ICE DETECTOR BEJ BEF FAAAAAAAAA
141ICE DETECTOR BEJ BEB FAAAAAAAAA
141ICE DETECTOR 41EAA BEJA BEJ A
141MACELLE PREHEAT BEK BE 00000000

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PG0005.J1R1 DATE = 02/04/75

FLIGHT SAFETY PREDICTION TECH 1.00F

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0000000011111111112222222222333333333344444444445555555555666666666677777777778
12345678901234567890123456789012345678901234567890123456789012345678901234567890
141PREHEAT DUCT 23LSC BEKA BE A
141SWITCH-MACELLE PREHEAT 23LEB BEKB BE 2
141VALVE-MACELLE PREHEAT SHUT. 23LCC BLKC BE 4
141MACELLE:ENGINE COOLING BEL BE 84000004-
141PRESSURE SWITCH-ZONE 2 COOL 23LVA BELA BEL 7
141ACTUATING ZONE VALVE COOLING 23LVB BELB BEL 7
141SHROUD COOLING, GENERATOR 23LSA BLIC BEL 1
141BELLONS GENERATOR COOLING 23LSB BELD BEL 4
141MANIFOLD ID 23LSD BELE BEL 2
141FLOW LIMITER-ID 23LSE BELF BEL 2
141FLOW LIMITER-ID 23LSF BELG BEL 2
141DOOR ASSY NOSE COOL SUCKER 23PGC BELH BEL 2
141BIFURCATED DUCT LEFT 23PQE BELJ BEL 1
141BIFURCATED DUCT RIGHT 23PGF BELK BEL 1
141SEAL INF-FAN DUCT FORWARD 23FOW BELL BEL 1
141SEAL INF-FAN DUCT AFT LH 23POX BELM BEL 1
141SEAL INF-FAN DUCT AFT RH 23PO4 BELN BEL 1
141VALVE-ZONE 1 COOL S/O 2FA 23LCA BELP BEL 1
141SURGE BLEED DUCT SEAL 23PQ8 BELPA BEL 1
141VERTX-BRAKES SHUT OFF VLV 23LO8 BELQ BEL 7
141VALVE-ZONE 2 COOL S/O 23LNE BELR BEL 7
141VALVE COOLING SEAL PRESSURE 23LOG BELS BEL 1
141REGULATOR DUCT SEAL PRESS 23LOH BELT BEL 2
141SEAL-FAN DUCT PRESSURE 23LOJ BELU BEL 2
141VALVE-OVER 3RD DUCT S/O 2FA 23LOK BELV BEL 7
141EJECTOR ASSY ZONE 2 COOL 2FA 23LOM BELW BEL 2
141EJECTOR ASSY ZONE 1 COOL 23LON BELX BEL 8
141AUTO DETECT BEM BEB 222222222
141SWITCH CONTROL 41FA6 BEMA BEM A
141BY-PASS AIR BFN BE 222222222
141 ENGINE FIRE EXTINGUISHER BEP BE X AAAAAAAAAA
141 BOTTLE, FIRE EXTINGUISHER 49AAC BEPAC REP 4
141 INDICATOR, DISCHARGE DISC 49AAD BEPAD REP 0
141 PRESSURE GAUGE 49AAH BEPAH REP 0
141 PLUMBING 49AAL BEPAL REP 1
141 PILOT ACTION BEQ REP AAAAAAAAAA
141 SW, ENG AGENT DISCHARGE 49AAA BEQAA BEQ A
141 SW, BOTTLE SELECTOR 49AAH BEQAB BEQ A
141 ENGINE FIRE STATUS BEP BEQ 444444444
141 FIRE WARNING LIGHT 44BAR BEER BER A
141COMBUSTION BF BE AAAAAAAAAA
141COMBUSTION BF BH FAAAAAAAAA
141IGNITION, RESTART BFA BF T AAAAAAAAAA
141SPARKIGNITER 23KAC BFAA BFA 1
141IGNITION, FLAME OUT PREVENT BFB BFJ 111111111
141SPARKIGNITER 23KAC BFB A BFB 4
141SPARKIGNITER 23KAC BFBAA BFA 1
141INTERMITTANT IGNITION BFC BFA AAAAAAAAAA
141EXCITER-IGNITION #20 JOULEX 23KAA BFC BFC A
141LEAD HIGH TENSION 2EA 23KAD BFCB BFC 1

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PGC095.J121 DATE = 02/04/79

FLIGHT SAFETY PREDICTION TECHNIQUE

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00000000111111112222222233333333444444445555555566666666777777778
1234567890123456789012345678901234567890123456789012345678901234567890
141CONTINUOUS IGNITION RF0 JAAAAAAAD
141LAD INTERMEDIATE VOLTAGE 23KAE BFDA BFD A
141CIRCUIT BREAKER 23KQB BFDB BFD 5
141EXCITER IGNITION 24 JULES 23KQC BFDC BFD A
141FUEL AND IGNITION CONTROL BFE BFC AAAAAAADA
141J BOX : ELECTRICAL HARNESS 23KAF HFFA HFF 6
141J BOX : ELECTRICAL HARNESS 23KAF HFFA HFF 6
141FUEL AND IG CONTROL SWITCH 23KAC HFFB HFF A
141COMPOSITOR 23KAB HFFC HFF 1
141CONTINUOUS IGNITION CONTROL BFF BFD AAAAAAADA
141SWITCH CONTINUOUS IGNITION 23KOA BFFA BFF A
141FUEL AND IGNITION CONT SV 23KOC BFFB BFF A
141IGNITION ATTENUATION BFJ BF 111111111
141CASE ASSEMBLY DIFFUSER 23BAA BFJA BF A
141SHROUD ASSEMBLY COMPRESSOR 23BA3 BFJB BF A
141VANE COMPRESSOR 16TH STAGE 23BAC BFJC BF A
141SHROUD-COMPRESSOR VANE INNER 23BA0 BFJD BF A
141DUCT-DIFFUSER INLET 23BAE BFJE BF A
141HOUSING COMP. REAR BEARING 23BAF BFJF BF A
141RING COMP. REAR AIR SEALING 23BAG BFJG BF A
141CHAMBER WELDMENT NO.1 3 : 7 23BKA BFJH BF A
141CHAMBER WELDMENT NO.2 6 : 8 23BKB BFJJ BF A
141CHAMBER WELDMENT NO.4 23BKC BFJK BF A
141CHAMBER WELDMENT NO.5 23BCK BFJL BF A
141CASE ASSEMBLY COMBUSTION CHA 23BCE BFJM BF A
141FIRE SEAL-RIGHT 23BCE BFJN BF A
141FIRE SEAL-LEFT 23BCE BFJP BF A
141FIRE SEAL-LOWER 23BCH BFJQ BF A
141COMPRESSION BG BEB FAAAAAAAAA
141COMPRESSION BG BEL FAAAAAAAAA
141COMPRESSION BG BEN FAAAAAAAAA
141COMPRESSION BG BF AAAAAAADA
141COMPRESSION BG BHH FAAAAAAAAA
141COMPRESSION BG BMA FAAAAAAAAA
141COMPRESSION BG BY FAAAAAAAAA
141CASE ASSEMBLY COMP. FRONT 23BAA BGAA BG A
141BLADE 8TH STAGE COMPRESSOR 23BA1 BGAA BG A
141BLADE 9TH STAGE COMPRESSOR 23BA2 BGAA BG A
141COMPRESSOR SECTION FRONT 23BA0 BGAA BG A
141VANE < SHROUD ASSY-1ST STAGE 23BA3 BGAB BG A
141VANE < SHROUD ASSY-2ST STAGE 23BA4 BGAC BG A
141VANE < SHROUD ASSY-3ST STAGE 23BA5 BGAD BG A
141SPACER-COMP. OUTER SHROUD 23BAE BGAE BG A
141RING-COMPRESSOR ROTOR AIR 23BAF BGAF BG A
141CASE ASSEM. FRONT COMPRESSOR 23BAG BGAG BG A
141VANE<SHROUD ASSY-4TH STAGE 23BAH BGAH BG A
141VANE<SHROUD ASSY-5TH STAGE 23BAJ BGAJ BG A
141VANE<SHROUD ASSY-6TH STAGE 23BAK BGAK BG A
141VANE<SHROUD ASSY-7TH STAGE 23BAL BGAL BG A
141VANE<SHROUD ASSY-8TH STAGE 23BAM BGAM BG A

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200095.JIR1 DATE = 02/04/76

FLIGHT SAFETY PREDICTION TECHNIQUE

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0000000011111111112222222222333333333344444444445555555555666666666677777777778
12345678901234567890123456789012345678901234567890123456789012345678901234567890
141ROTOR ASSEMBLY FRONT COMPRESSOR 231AN BG A
141HUB-FRONT COMPRESSOR ROTOR FRONT 231AP BG A
141HUB-FRONT COMPRESSOR ROTOR REAR 231AQ BG A
141SPACER ASSEMBLY COMPRESSOR DISC 231AS BG A
141SPACER ASSEMBLY COMPRESSOR DISC 231AS BG A
141BLADE 1ST STAGE FAN 231AT BG A
141BLADE 2ND STAGE COMPRESSOR 231AU BG A
141BLADE 3RD STAGE COMPRESSOR 231AV BG A
141BLADE 4TH STAGE COMPRESSOR 231AW BG A
141BLADE 5TH STAGE COMPRESSOR 231AX BG A
141BLADE 6TH STAGE COMPRESSOR 231AY BG A
141BLADE 7TH STAGE COMPRESSOR 231AZ BG A
141CASE ASSEMBLY COMPRESSOR INTERMED 231BA BG A
141HOUSING ASSEMBLY COMPRESSOR INTERMED 231BB BG A
141SUPPORT-COMPRESSOR INTERMED 231BC BG 3
141SUPPORT-COMPRESSOR INTERMED 231BD BG 3
141HOUSING COMP INTERMED REAR 231BE BG A
141CASE, FAN DISCHARGE 231BF BG A
141COMPRESSOR SECTION INTER 231BG BG A
141CASE ASSEMBLY REAR COMPRESSOR 231BH BG A
141HUB REAR COMP ROTOR HUB 231BP BG A
141ROTOR ASSEMBLY REAR COMPRESSOR 231BQ BG A
141VALVE: SHROUD ASSY-10TH STAGE 231BC BG A
141VALVE: SHROUD ASSY-11TH STAGE 231BD BG A
141VALVE: SHROUD ASSY-12TH STAGE 231BE BG A
141VALVE: SHROUD ASSY-13TH STAGE 231BF BG A
141VALVE: SHROUD ASSY-14TH STAGE 231BG BG A
141VALVE: SHROUD ASSY-15TH STAGE 231BH BG A
141VALVE: SHROUD ASSY-16TH STAGE 231BJ BG A
141SPACER ASSEMBLY COMP ROTOR SHROUD 231BK BG A
141RING COMPRESSOR ROTOR AIR SEAL 231BCL BG 8
141HUB-REAR COMPRESSOR ROTOR FRONT 231BDM BG A
141HUB-REAR COMPRESSOR ROTOR REAR 231BEN BG A
141COMPRESSOR SECTION REAR 231BEO BG A
141COMPRESSOR UNLOADING 231BEP BG 010000110
141VALVE ASSY COMPRESSOR BLEED RH 231LAA BGE 8
141ACTUATOR CONT ASSY COMP RH 231LAH BGE 8
141CONTROL ASSY-COMPRESSOR BLEED RH 231LAC BGE 8
141SCREEN COMPRESSOR BLEED GUTH 231LAD BGE 0
141INTAKE ASSY COMPRESSOR BLEED LH 231LAE BGE 1
141VALVE ASSY COMPRESSOR BLEED LH 231LAF BGE 1
141ACTUATOR CONT ASSY COMP LH 231LAG BGE 1
141ENGINE ROTATION BH BG
141ENGINE ROTATION BH BHM
141ENGINE ROTATION BH BJA
141FUEL DISTRIBUTION BHA BH
141SUPPORT ASSY TURBINE FRONT REAR 231EAA BHA A
141HOUSING TURBINE FRONT REAR 231EAB BHA A
141SUPPORT ASSY TURBINE FRONT REAR SL 231EAC BHA A
141SPACER-TURBINE NOZZLE CASE 231EAE BHA A

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PG0095.JIR1 - DATE = 02/04/75

FLIGHT SAFETY PREDICTION TECHNIQUE

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0000000011111111222222222222333333334444444455555555666666667777777777
1234567890123456789012345678901234567890123456789012345678901234567890
141SUPPORT WELD-COMB CHAM OUT 23EAF BHAF BH A
141NOCT ASSY-COMB CHAM-OUT 23EAG BHAG BH A
141RING ASSEM TURBINE CASE PRESS 23EAH BHAH BH A
141CASE ASSY-TURBINE NOZZLE IN 23EAJ BHAJ BH A
141CASE ASSY INCL COMB CHAM-OUT 23EAK BHAK BH A
141TURBINE SECTION 23EAL BHAL BH A
141CASE ASSY TURB NOZZLE 23ELA BHBA BH A
141VANE-1ST STAGE 23ELB BHBB BH A
141VANE-2ND STAGE 23ELC BHBC BH A
141VANE-3RD STAGE 23ELD BHBD BH A
141VANE-4TH STAGE 23ELE BHBE BH A
141SEAL-TURB-3RD STAGE 23EEF BHBF BH A
141SEAL-TURB-4TH STAGE 23EEG BHBG BH A
141SUPPORT-TURBINE OUTER 23EEN BHBN BH A
141ROTOR ASSEM REAR COMP DRV 23EBJ BHBJ BH A
141COUPLING REAR COMP DRIVE 23EBK BHBK BH A
141TURBINE ROTOR NOZZLE 23EBD BHBKA BH A
141NOZZLE ASSY-TURBINE 2ND STAGE 23EBL BHBK BH A
141NOZZLE ASSY-TURBINE 3RD STG 23EBM BHBK BH A
141DISK:BLADE ASSY TURB 2ND STG 23EBN BHBK BH A
141DISK:BLADE ASSY TURB 3RD STG 23EBP BHBK BH A
141HUB-TURBINE ROTOR 23EBQ BHBK BH A
141CASE WELD COMB CHAM OUT REAR 23EER BHER BH A
141RING AIR SEAL TURB 2ND STAGE 23EES BHES BH 3
141NOZZLE 4TH STAGE 23EET BHET BH A
141BLADE 4TH STAGE 23EEU BHBU BH A
141ROTOR ASSY FRNT COMP DRV TURB 23EBV BHBV BH A
141SEAL 1ST STAGE OUTER TURB 23EBW BHBW BH 8
141BLADE ASSY TURB 1ST STAGE 23EBX BHBX BH A
141OIL SUPPLY 23EHC BHA AAAAAAAAAA
141BEARING NO.1 MAIN 23FAA BHCA BH A
141TANK ASSEMBLY OIL 23JAA BHCAA BHC A
141VALVE ASSEMBLY DRAIN 23JAB BHCAAB BHC 0
141CAP ASSEMBLY OIL 23JAC BHCAAC BHC 1
141VALVE ASSEMBLY-OIL FILTER 23JAG BHCAAD BHC 1
141VALVE ASSEMBLY-PRESSURE RELF 23JAH BHCAAE BHC 1
141STRAINER ASSY-MAIN OIL 23JAJ BHCAAF BHC 1
141RETURN CHECK VALVE 23JJB BHCAAG BHC 1
141PLOWING 23JJC BHCAAH BHC 3
141VALVE ASSY-BREATHING PRESS 23JAF BHCAAJ BHC 1
141BEARING NO.2 MAIN 23FAH BHCB BH A
141GAGE ASSY OIL TANK 23JAD BHCBDA BHC C
141BEARING NO.2 1/2 MAIN 23FAC BHCC BH A
141BEARING NO.3 MAIN 23FAU BHCD BH A
141BEARING NO.4 MAIN 23FAE BHCE BH A
141BEARING NO.4 1/2 MAIN 23FAF BHCF BH A
141BEARING NO.5 MAIN 23FAG BHCG BH A
141BEARING NO.6 MAIN 23FAH BHCH BH A
141SEAL ASSEM NO.1 BEARING 23FCA BHDA BH A
141SEAL ASSEM NO.2 BEARING 23FCB BHDB BH A

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PG0095.J101 DATE = 02/04/76

FLIGHT SAFETY PREDICTION TECHNIQUE

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000000001111111122222222333333334444444455555555666666667777777788
1234567890123456789012345678901234567890123456789012345678901234567890
141SEAL ASSEM NO.3 BEARING 23FCD BHD BH A
141SEAL ASSEM NO.4 BEARING 23FCE BHD BH A
141SEAL ASSEM NO.4 1/2 BEARING 23FCE BHD BH A
141SEAL ASSEM NO.5 BEARING 23FCE BHD BH A
141SEAL ASSEM NO.6 BEARING 23FCH BHD BH A
141PRESSURE-OIL BHD BHA AAAAAAAA
141 PUMP ASSY OIL SUCTION 23JBA BHEAA BHC 7
141PUMP-COMP R/F TON BRG 23JBB BHEAB BHC 1
141PUMP ASSY-COMPRESS FLAR 23JBC BHEAC BHC 1
141PUMP ASSY-MAIN OIL PRESSURE 23JBD BHEAD BHP A
141COOLING-OIL BHD BHA 883688000
141AIR COOLING BHD BHC 111111111
141COOLER AND VALVE ASSY-AIR-OL 23JCA BHA A
141ACCESSORY DRIVE BHM BHE FAAAAAAAAA
141ACCESSORY DRIVE BHM BJ FAAAAAAAAA
141ACCESSORY DRIVE BHM BK AAAAAAAAAA
141ACCESSORY DRIVE BHM BUE FAAAAAAAAA
141ENG NO 1 HI-SPEED ACC DRIVE BHM UAAK FAAAAAAAAA
141ENG NO 2 HI-SPEED ACC DRIVE BHM UABK FAAAAAAAAA
141ENG NO 3 HI-SPEED ACC DRIVE BHM UACK FAAAAAAAAA
141ENG NO 4 HI-SPEED ACC DRIVE BHM UADK FAAAAAAAAA
141AUX DRIVE NO 3 ENG BHM UHAC FAAAAAAAAA
141AUX DRIVE NO 4 ENG BHM UHAD FAAAAAAAAA
141AUX DRIVE ENG NO 1 BHM UHEF FAAAAAAAAA
141AUX DRIVE ENG NO 2 BHM UHRG FAAAAAAAAA
141SUPPORT ASSY COMP FRONT BEAR 23ABA BHA A
141HOUSING-COMP FRONT BEAR OIL 23ABB BHB A
141SUPPORT ASSY FRONT ACC DRIVE 23ABC BHC A
141BEARING FRONT DRIVE 23ABD BHD A
141SHAFT-ACCESSORY DRIVE MAIN 23ABE BHE A
141COUPLING-ASSY DRIVE FRONT 23ABF BHE A
141COUPLING-ASSY DRIVE REAR 23ABG BHG A
141GEAR-ACCESSORY DRIVE 23ABH BHM A
141SHAFT GEAR ACCESSORY DRIVE 23ABJ BHM A
141SUPPORT ASSY ACC DRIVE FRONT 23ABK BHM A
141HOUSING ACC DRV SHAFT GEAR 23ABA BHL A
141GEAR SHAFT ASSEM MAIN ACC LRV 23ABB BHM A
141BEARING ACCESSORY DRIVE 23ABE BHM A
141HOUSING ASSY-ACCESSORY DRIVE 23ACA BHP A
141BEARING-ACCESSORY DRIVE 23ACB BHM A
141COUPLING-ACCESSORY DRIVE 23CAC BHM A
141SHAFTGEAR ACCESSORY DRIVE 23CAD BHM A
141GEAR ACCESSORY DRIVE 23CAE BHM A
141BREATH ASSY-ACCESSORY DRIVE 23CAF BHM A
141COVER ASSY ACCESSORY DRIVE 23CRA BHM A
141COUPLING 23CBB BHM 5
141GEARING 23CBC BHM 1
141SHAFTGEAR 23CBO BHM 5
141ADAPTER ASSEM ACCESSORY DRIVE 23CCA BHM 1
141SHAFT ACCESSORY DRIVE 23CCB BHM 5

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FLIGHT SAFETY PREDICTION TECHNIQUE

D-50

FLIGHT SAFETY PREDICTION TECHNIQUE

D-51

FLIGHT SAFETY PREDICTION TECHNIQUE

DESCRIPTION	UNIT	CODE	DESCRIPTION	UNIT	CODE	DESCRIPTION	UNIT	CODE
141GENERATOR TACHOMETER N-1	23GAC	BPDC	BPDC	1				
141GENERATOR TACHOMETER N-2	23GEL	BPDC	BPDC	1				
141CONVERTER	23GAU	BPDC	BPDC	1				
141INDICATOR EGT	23GCA	BPDC	BPDC	1				
141THERMOCOUPLES	23GCH	BPDC	BPDC	1				
141THERMOCOUPLE HARNESS	23CCC	BPDC	BPDC	1				
141LEAD ASSEMBLY THERMOCOUPLE	23GCD	BPDC	BPDC	1				
141INDICATOR EPR	23GDA	BPDC	BPDC	1				
141TRANSMITTER	23GDB	BPDC	BPDC	1				
141PROBE-PRESSURE TAKEOFF	23GDC	BPDC	BPDC	1				
141RELAY EPR HEATER	23GDE	BPDC	BPDC	1				
141PUMPING	23GDF	BPDC	BPDC	1				
141INDICATOR ENG.VIB.	23GEA	BPDC	BPDC	1				
141PICK UP	23GEB	BPDC	BPDC	1				
141INSULATOR	23GEC	BPDC	BPDC	1				
141RELAY PICK-UP SELECT	23GED	BPDC	BPDC	1				
141SWITCH PICK-UP SELECT	23GEF	BPDC	BPDC	1				
141SWITCH FILTER SELECT	23GEF	BPDC	BPDC	1				
141PROBE PRESSURE SENSING	23GHA	BPDC	BPDC	1				
141SWITCH-LOW OIL QUANTITY	23JKA	BPDC	BPDC	1				
141INDICATING LIGHT LOW OIL	23JKB	BPDC	BPDC	1				
141SWITCH DIFFERENTIAL PRESSURE	23JFC	BPDC	BPDC	1				
141SWITCH LOW PRESSURE	23JFD	BPDC	BPDC	1				
141INDICATING LIGHT LOW OIL PRE	23JRE	BPDC	BPDC	1				
141CIRCUIT BREAKER	23JFF	BPDC	BPDC	1				
141WIRING	23JRG	BPDC	BPDC	1				
141INDICATOR TEMPERATURE	23JSA	BPDC	BPDC	1				
141RESISTANCE PULB	23JSB	BPDC	BPDC	1				
141INDICATOR PRESSURE	23JTA	BPDC	BPDC	1				
141TRANSMITTER	23JTB	BPDC	BPDC	1				
141INCREASE PRESSURE		BR	BR	1				
141PUMP ASSEMBLY FUEL	23HAF	HRA	HR	7				
141STRAINER-FUEL PUMP	23HAG	HRB	HR	1				
141TRAP ASSY-AIR SENSING PRESS.	23HAP	HRB	HR	1				
141VALVE ASSY-FUEL CHECK	23HAQ	HRD	HR	1				
141FUEL SHUTOFF		BS	AK	X				
141CUTOFF COMMAND		BSA	BEL					
141CUTOFF COMMAND		BSA	BF					
141CUTOFF COMMAND		BSA	BJC					
141CUTOFF COMMAND		BSA	RS					
141HANDLE FIRE CONTROL	49FAC	BSAA	HSA	8				
141SWITCH ASSY-FIRE HANDLE	49FAO	BSAH	HSA	2				
141SHUTOFF VALVE	46RAG	BSBA	RS	4				
141CRANK ARM-FIREWALL SHUTOFF	23NRK	BSBA	RS	4				
141FUEL SHUTOFF ACTUATOR	23HQU	BSBC	RS	2				
141AIRCRAFT ACTION		BT	BAJ					
141LEVEL STATUS		BTB	BT					
141STATUS ATTENUATION		BTB	BTB					
141TANK UNIT THERM	46GBA	BTHA	BTH	1				
141TANK UNIT COMP	46GBB	BTHB	BTH	1				

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FLIGHT SAFETY PREDICTION TECHNIQUE

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1234567890123456789012345678901234567890123456789012345678901234567890
141TANK UNIT THE-MECOMP 46GOC BTAC BTB 1
141TANK UNIT 46CBO BTPD BTB 1
141INDICATOR-TANK UNIT 1 OF 4 46GBC BTMC BTB 2
141INDICATOR-TOTALIZER 46GBF BTLP BTB 2
141SWITCH PRESS TO TEST 46CUG BTGG BTB 0
141PRESSURE SWITCH INLET 23HFA BTGH BTB 2
141IND PRESSURE WARN. 1 OF 4 23HGF BTRJ BTB 2
141CONNECTOR BULKHEAD 46GBH BTHKA BTB 1
141CONTROL UNIT LOW LEVEL 46LAC BTOKB BTB 1
141TRANSFER STATUS BTB 111111111
141TRANSMITTER FUEL FLOW 1OF4 23HKL BTCA BTB 1
141INDICATOR FUEL FLOW 1OF4 23HLM BTCH BTB 1
141INDICATOR PRESSURE 1OF4 46GAA BTCC BTB 1
141TRANSMITTER PRESSURE 1OF4 46GAB BTCD BTB 1
141PRESSURE SWITCH DIFF 1OF4 23HKB BTCE BTB 1
141INDIC. LGT PUMP WARN. 1OF4 23HED BTCH BTB 1
141REVERSE THRUST BU GAC AAAAAA
141THRUST REVERSE INTERLOCK BU GUC 22222222
141PRESSURE SWITCH T/A CONTROL 23TSA BUAA A
141THRUST REVERSE INTERLOCK 23TUN BUAB A
141REVERSE EXTENDED BU BAB AAAAAA
141REVERSE EXTENDED BU BUA FAAAAA
141 REVERSE EXTENDED BU BUC FAAAAA
141THRUST REVERSE DOOR ASSEMB. 23TQA BUHA 4
141HINGE FITTING SUPPORT 23TOR BUHR 4
141BEARING SUPPORT ASSEMBLY 23TQC BUHC 2
141SPRING ASSEMBLY 23TOO BUHO 0
141LINK DOOR ACTUATING 23TOF BUHF 5
141GUIDE-HINGE FITTING 23TOG BUHG 1
141SUPPORT ASSEMBLY T/P DOOR 23TOG BUHG 1
141REFLECTOR-T/A DOOR 23TOH BUHH 4
141FATTING SUPPORT ASSEMBLY 23TOJ BUHJ 0
141RACKET STANG DOOR 23TAK BUHK 0
141STANG DOORS 23TOL BUHL 0
141SUPPORT FITTING T/P DOOR 23TQM BUHM 1
141SUPPORT FITTING T/P LOWER 23TON BUHN 1
141SUPPORT FITTING T/P UPPER 23TOP BUHP 1
141DOOR SUPPORT ASSEMBLY PAIR. 23TOQ BUHQ 0
141LANDING GEAR INTERLOCK BUC AAAAAA
141SPOILER NLC RELAY ATO RLYC 13ACB BUCA A
141RELAY ALTERNATE POWER 23TSH BUCH 1
141REVERSE THRUST COMMAND BUU BUB AAAAAA
141 REVERSE THRUST COMMAND BUU BUB AAAAAA
141THRUST REVERSE LINK ROD 23NAA BUDA A
141REVERSE THRUST LIMITER 23NOL BUDB A
141REVERSE THRUST LIMITER ADJ. 23NOM BUDD 1
141SURGE LOCK TENSION REGULATOR 23NOP BUDD 1
141BRACKET TENSION REGULATOR 23NOG BUDE 1
141VALVE-SOLENOID PILOT 23TPE BUOF 1
141VALVE-MANUAL PILOT 23TRG BUDG 1

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PG095.J1R1 DATE = 02/04/70

FLIGHT SAFETY PREDICTION TECHNIQUE

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00000000111111112222222222333333333344444444445555555555666666666677777777778
1234567890123456789012345678901234567890123456789012345678901234567890
141HYDRAULIC PRESSURE      RUE      RUB      AAAAAAAAAA
141THRUST REVERSER PUMP    23TRA    RUEA    BUL      2
141CONTROL-THRUST REVERSER 23TRB    RUEB    BUL      5
141VALVE-PRESSURIZING     23TRC    RUEC    BUL      5
141VALVE RELIEF           23TRD    RUED    RUE      0
141VALVE-DIRECTIONAL CONTROL 23TRE    RUEE    RUE      2
141FLOW DIVIDER           23TRH    RUEF    RUE      1
141VALVE-FLOW REGULATOR  23TRJ    RUEG    RUE      1
141VALVE-BY-PASS          23TRK    RUEH    RUE      1
141VALVE CHECK SPEACHK    23TRL    RUEJ    RUE      0
141ACTUATOR-THRUST REVERSER 23TRM    RUEK    RUE      2
141FILTER ASSEMBLY        23TRN    RUEL    RUE      0
141FILTER ELEMENT         23TRP    RUEM    RUE      0
141DISCONNECT GROUND SERVICE IN 23TRQ    RUEN    RUE      0
141DISCONNECT GROUND SERVICE OUT 23TRR    RUEP    RUE      0
141PACKET T/R FILTER      23TRS    RUEQ    RUE      0
141PUMPING                 23TRT    RUER    RUE      1
141REVERSER STATUS        RUE      BUD      000000000
141INDICATOR 4 EACH       23TRU    RUEA    RUE      A
141SWITCH T/R POSITION IND 4FA 23TRV    RUEB    RUE      A
141ENGINE 2 PROPULSION     BV      B      5 BZ  OAAAAAAAAA <
141ENGINE 3 PROPULSION     BW      B      5 BZ  OAAAAAAAAA <
141ENGINE 4 PROPULSION     BX      B      5 BZ  OAAAAAAAAA <
141BLEED AIR               BY      REK      AAAAAAAAAA
141BLEED AIR               BY      RJ3      AAAAAAAAAA
141COMPRESSED AIR          BY      UAAR     111111111
141COMPRESSED AIR          BY      UAAR     111111111
141COMPRESSED AIR          BY      UAAR     111111111
141COMPRESSED AIR          BY      UAAR     111111111
141QUALIF.-K2- 20F4 ENGINE FAIL BZ      BZ      F00000000
141MAIN AC BUS NO. 1      BZAA    BACC     FAAAAAAAAA
141MAIN AC BUS NO. 1      BZAA    BAFC     FAAAAAAAAA
141MAIN AC BUS NO. 1      BZAA    RAJC     FAAAAAAAAA
141MAIN AC BUS NO. 1      BZAA    BAMC     FAAAAAAAAA
141MAIN AC BUS NO1        BZAA    UZZZZ    S11111111
141MAIN AC BUS NO. 2      BZAB    BACF     AAAAAAAAAA
141MAIN AC BUS NO. 2      BZAB    BAJF     AAAAAAAAAA
141MAIN AC BUS NO. 3      BZAC    RAFL     AAAAAAAAAA
141MAIN AC BUS NO. 3      BZAC    RAML     AAAAAAAAAA
141MAIN AC BUS NO. 4      BZAD    BACK     FAAAAAAAAA
141MAIN AC BUS NO. 4      BZAD    RAFH     FAAAAAAAAA
141MAIN AC BUS NO. 4      BZAD    RAJK     FAAAAAAAAA
141MAIN AC BUS NO. 4      BZAD    RAYH     FAAAAAAAAA
141MAIN AC BUS NO4        BZAD    UZZZZ    S11111111
141MAIN AC PROPULSION POWER BZAE    BZAA     111111111
141MAIN AC PROPULSION POWER BZAE    BZAB     111111111
141MAIN AC PROPULSION POWER BZAE    BZAC     111111111
141MAIN AC PROPULSION POWER BZAE    BZAD     F11111111
141PROPULSION MULTI FEED POWER BZY     RFD      SAAAAAAAAA
141PROPULSION MULTI FEED POWER BZY     UZZZZ    S11111111

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FLIGHT SAFETY PREDICTION TECHNIQUE

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12345678901234567890123456789012345678901234567890123456789012345678901234567890			
141MAINE AC PROPULSION DIST	BZYA	BZY	11111111
141ESSENTIAL NO 1 BACK UP PROP.	BZYA	BZY K BZYA	AAAAA
141COMM/NAV/IDENT	C		AAAAA
141COMMUNICATION	CA	C E	01111120
141AIR TO GND/AIR COMM ATTN	CAA	CA	11111111
141VHF COMM	CAAZX	CAAZZ	11111111
141H.F. COMM	CAAZY	CAAZZ	11111111
141REDUNDANCY ATTENUATION	CAAZZ	CAA	11111111
141INTERNAL COMMUNICATION	CAB	CA	00000000
141STATION TO STATION COMM	CAC	CAAZZ	AAAAA
141STATION TO STATION COMM	CAC	CAB	FAAAAAA
141STATION TO STATION COMM	CAC	CBT	FAAAAAA
141 INTERCOM CONTROL C 3042 REA	64A4AA	CACA	1
141 STATION INTERCOM C2105 1FA	64A7C	CACC	0
141 LOUDSPEAKER LS-184-A	64A4D	CACD	0
141 MICROPHONE R 34 5EA	64A4F	CACE	1
141 FOOTSWITCH SA 47A	64A4F	CACF	0
141 CONTROL WHEEL SWITCH 2EA	64A4G	CACG	1
141 STEERING WHEEL SWITCH	64A4H	CACH	1
141 HEADSET MICROPHONE 15FA	64A4J	CACJ	0
141 CREW MEMBER CORD ASSY	64A4K	CACK	0
141 EXTERNAL EXT CORD RECEPTACLE	64A4L	CACL	0
141 INTERPHONE EXT CORD ASSY	64A4M	CACM	0
141 INTERPHONE EXT CORD RECEPT	64A4N	CACN	0
141 JUNCTION BOX	64A4P	CACP	0
141 V.STAB/FWD CARGO RECEPTACLE	64A4Q	CACQ	0
141 RESISTOR	64A4R	CACR	0
141 DIAL	64A4S	CACS	0
141 AMPLIFIER AM 1963	64A4T	CACT	1
141 AMPLIFIER AM 1964	64A4U	CACU	1
141 AMPLIFIER AM 1965	64A4V	CACV	1
141 WIRING	64A4W	CACW	1
141 JUNCTION BOX	64CAA	CACWA	0
141 RESISTOR	64CAB	CACWB	0
141 TERMINAL STRIP	64CAC	CACWC	0
141 TERMINAL STRIP COVER	64CAD	CACWD	0
141 CONNECTOR U94 A/U 9EA	64CAF	CACWE	1
141 CONNECTOR U92 2EA	64CAF	CACWF	1
141 CONT.BOX MOUNT 3492 9EA	64AAX	CACX	0
141 AVG.CMP.CORD ASSY	64AAY	CACY	0
141H.F. COMM REA OF 2 SYSC	CAH	CAAZY	11111111
141H.F. SIGNAL TRANSMIT	CAHA	CAH	22222222
141 TRANSDUCER 018T-2A	61A80	CAHAA	A
141 ISOLATION VIBRATOR	61A8L	CAHAB	0
141H.F. SIGNAL RECEIVE		CAHR	883889388
141 TRANSDUCER 018T 2A	61A8D	CAHSA	A
141 RADIO SET CONTROL 714E-2A	61A8E	CAHC	A
141 WIRING	61A8P	CAHD	1
141 CONNECTOR RACK	61A8F	CAHE	1

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DEVELOPMENT OF AIR FORCE FLIGHT SAFETY MODELS. VOLUME 6. C-141 --ETC(U)
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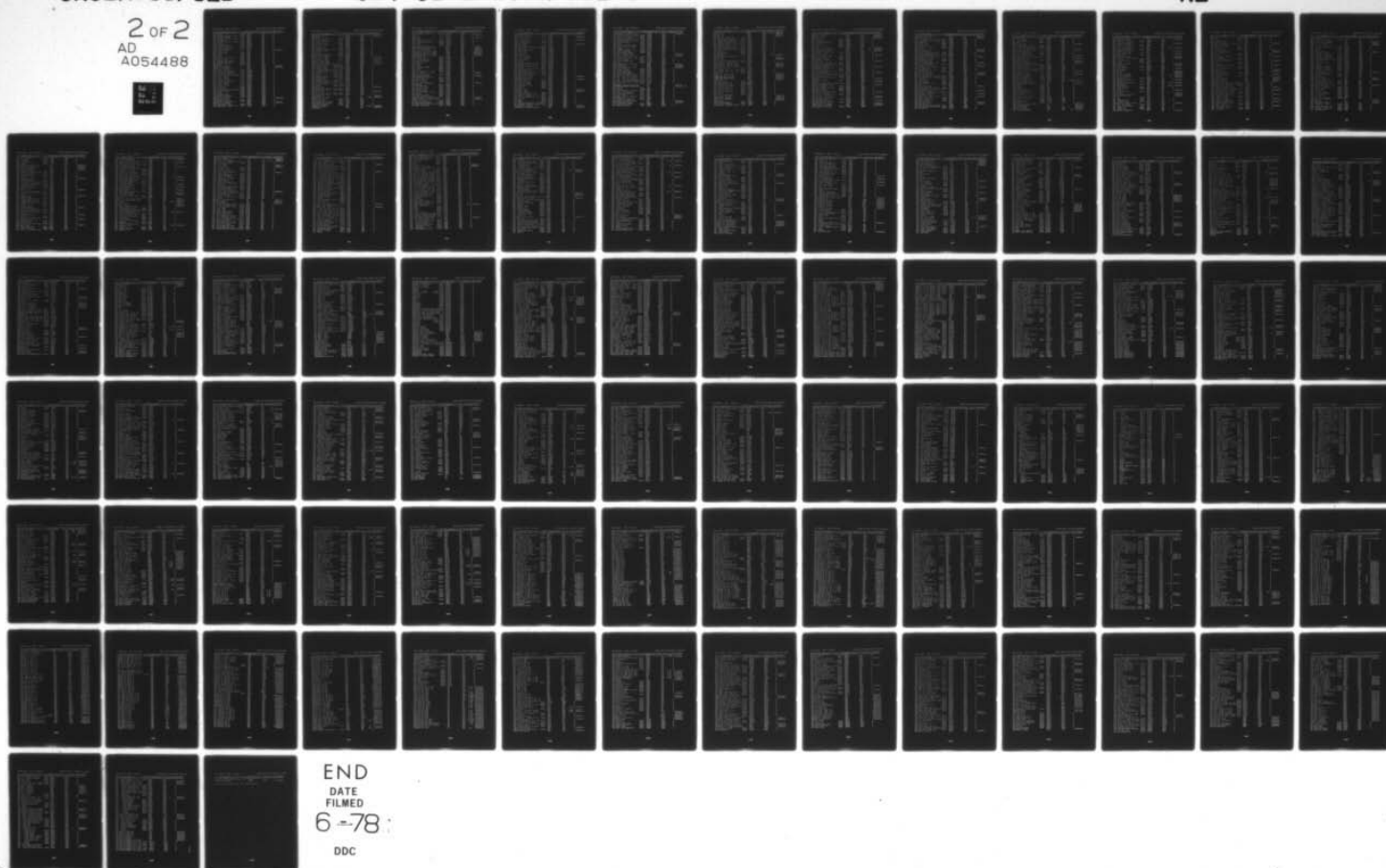
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FLIGHT SAFETY PREDICTION TECHNIQUE

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00000000111111111222222223333333344444445555555555566666666677777777777
1234567890123456789012345678901234567890123456789012345678901234567890
141 ANTENNA 61AAA CAHFA CAH A
141 LIGHTNING ARRESTOR MOUNT 61AAH CAHFB CAH 1
141 ANTENNA COUPLER 61AAC CAHFC CAH A
141 LIGHTNING ARRESTOR RELAY 61AAG CAHFD CAH 1
141 COAXIAL CABLE 61AAH CAHFE CAH 2
141 ANTENNA CONNECTOR COAXIAL 61AAJ CAHFF CAH 2
141 CONNECTOR 61AAK CAHFG CAH 2
141 FOAMFLEX CABLE 61AAM CAHFH CAH 2
141 FOAMFLEX CONNECTOR 61AAN CAHFJ CAH 2
141 ANTENNA COUPLER MOUNT 61AAD CAHFL CAH 2
141 ACCESSORY UNIT 61ACU CAHFM CAH 2
141 PUBLIC ADDRESS COMM CAH 111111111
141 SPEAKERS 6EA 64FAA CAPA CAP 1
141 AMPLIFIER 3EA 64FAH CAPB CAP 2
141 MOUNT 64FAC CAPC CAP 0
141 CONTROL 64FAD CAPD CAP 1
141 SPEAKER SELECTOR RELAY 64FAE CAPE CAP 2
141 PANEL SWITCH 64FAF CAPF CAP 1
141 INCREASE GAIN SWITCH 64FAG CAPG CAP 0
141 DECREASE GAIN SWITCH 64FAH CAPI CAP 0
141 SELECTOR SWITCH 64FAJ CAPJ CAP 1
141 WIRING 64FAK CAPK CAP 1
141 UHF COMMUNICATION CAU CAZZ 111111111
141 UHF COMMUNICATION NO 1 CAU 111111111
141 ANTENNA 2 EACH 63AAA CAUAA CAUA 3
141 ANTENNA AT 1076A/A 2EA 63BAH CAUAAA CAUA 3
141 CONTROL 02943/ARC 50 V 63BAH CAUAAF CAUA A
141 POWER PANEL INDICATOR 63BAE CAUAAC CAUA 1
141 RF ANTENNA SWITCH 11990HN 63BAE CAUAAD CAUA 5
141 DIMMING RELAY 63BAE CAUAAF CAUA 0
141 RF LINE SWITCH 63BAH CAUAB CAUA 5
141 AMPLIFIER 432243 63BEO CAUARA CAUA 0
141 ANTENNA CONTROL PANEL 63AAC CAUAC CAUA 1
141 ANTENNA SELECTOR 63AAD CAUAD CAUA 1
141 CONTROL 03394/A 63AAE CAUAF CAUA A
141 SELECTOR RELAY 63AAF CAUAF CAUA 1
141 MT 1995/A 63AAG CAUAG CAUA 0
141 COAXIAL CABLE 63AAH CAUAH CAUA 2
141 FOAMFLEX ANTENNA CONNECTOR 63AAJ CAUAJ CAUA 2
141 CONNECTOR RACK 63AAK CAUAK CAUA 1
141 WIRING 63AAL CAUAL CAUA 2
141 FOAMFLEX CABLE 63AAM CAUAM CAUA 2
141 VIBRATION ISOLATOR 63AAN CAUAN CAUA 0
141 ANTENNA CONNECTOR 63AAP CAUAP CAUA 2
141 UHF NO 1 RECEIVE CAU 663883888
141 RECEIVER RT641 63AFO CAUBA CAU A
141 RECEIVER RT525/ARC 50 63BEO CAUBB CAU 0
141 UHF NO 1 TRANSMIT CAUC 222222222
141 TRANSMITTER RT641 63ABO CAUCA CAU A
141 TRANSMITTER RT525/ARC 50 63PRO CAUCB CAU 0

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FLIGHT SAFETY PREDICTION TECHNIQUE

000000000111111111222222222233333333334444444444555555555566666666667777777777
12345678901234567890123456789012345678901234567890123456789012345678901234567890

141UHF NO2 COMM		CAUH	CAU	111111111
141 ANTENNA 2 EACH	62AAA	CAUHA	CAUH	3
141 RF LINE SWITCH	62AAB	CAUHB	CAUH	5
141 ANTENNA CONTROL PANEL	62AAC	CAUHC	CAUH	1
141 ANTENNA SELECTOR	62AAE	CAUHD	CAUH	1
141 CONTROL C3594/A	62AAE	CAUHE	CAUH	4
141 SELECTOR RELAY	62AAF	CAUHF	CAUH	1
141 AT 1555/A	62AAG	CAUHG	CAUH	0
141 COAXIAL CABLE	62AAH	CAUHH	CAUH	2
141 FOAMFLEX ANTENNA CONNECTOR	62AAJ	CAUHI	CAUH	2
141 CONNECTOR RACK	62AAK	CAUHK	CAUH	1
141 WIRING	62AAL	CAUHL	CAUH	2
141 FOAMFLEX CABLE	62AAM	CAUHM	CAUH	2
141 VIBRATION INSULATOR	62AAN	CAUHN	CAUH	0
141 ANTENNA CONNECTOR	62AAP	CAUHP	CAUH	2
141UHF NO.2 RECEIVE		CAUJ	CAUH	888888888
141 RECEIVER RT 641	62ABO	CAUJA	CAUJ	A
141UHF NO.2 TRANSMIT		CAUK	CAUH	222222222
141 TRANSMITTER RT641	62ABO	CAUKA	CAUK	A
141VHF COMMUNICATION EX DE 2 SY		CAV	CAAZX	111111111
141 ANTENNA 2 EACH	62BAA	CAVAA	CAV	3
141 CONTROL 515W-2	62BAH	CAVAH	CAV	4
141 FOAMFLEX CABLE	62BAJ	CAVAC	CAV	1
141 COAXIAL ANTENNA CONN	62BAE	CAVAD	CAV	2
141 FOAMFLEX ANTENNA CONN	62BAF	CAVAE	CAV	2
141 CONNECTOR RACK	62BAG	CAVAF	CAV	1
141 WIRING	62BAH	CAVAG	CAV	1
141 ANTENNA 2 EACH	62BAI	CAVBA	CAV	3
141 CONTROL 97650-100	62BAJ	CAVBH	CAV	2
141 COAXIAL CABLE	62BAC	CAVBC	CAV	2
141 FOAMFLEX CABLE	62BAE	CAVBD	CAV	2
141 COAXIAL ANTENNA CONN	62BAF	CAVBE	CAV	2
141 FOAMFLEX ANTENNA CONN	62BAF	CAVBF	CAV	2
141 CONNECTOR RACK	62BAF	CAVBG	CAV	1
141 WIRING	62BAH	CAVBH	CAV	1
141VHF RECEIVE		CAVR	CAV	888888888
141 TRANSCIVER 515W-10	62BBO	CAVRA	CAVR	A
141 TRANSCIVER 607A	62BBO	CAVRB	CAVR	4
141VHF TRANSMIT		CAVT	CAV	222222222
141 TRANSCIVER 515W-10	62BBO	CAVTA	CAVT	A
141 TRANSCIVER 607A	62BBO	CAVTB	CAVT	A
141NAVIGATION		CB	C	001222240
141STEEPING SOLUTIONS		CB	CB	008888880
141NAV JNC BOX	71FAH	CBAA	CB	0
141TERMINAL STRIP	71FAC	CBAB	CB	0
141 NAV SELECTOR SW PILOT	515GL	CBABB	CBHB	1
141TERMINAL STRIP COVER	71FAP	CBAC	CB	0
141STATIC DISCHARGE	71FAA	CBAD	CB	0
141DEAD RECKONING		CBH	CR	000000000
141HEADING		CBHA	CRB	000000000

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FLIGHT SAFETY PREDICTION TECHNIQUE

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0000000011111111222222223333333344444444555555556666666677777777
123456789012345678901234567890123456789012345678901234567890
141 MAGNETIC COMPASS 510AB CB5AA CB5A A
141 TIME 510AB CB5B CBH 00000000
141 CLOCK 510AA CB5A CB5B A
141 SPEED 510AB CB5C CB5 00000000
141 SEXTANT 510AB CB5CA CB5C A
141 SEXTANT SHUTTER ASSY 510AC CB5CH CB5C A
141 SEXTANT BASE ASSY 510AD CB5CC CB5C A
141 BUBBLE 510AF CB5CD CB5C 5
141 AVERAGER 510AG CB5CF CB5C 5
141 ROUTE DISPLAY/ATTN 510AH CB5D CB5 001111100
141 NAVIGATIONAL SIGNAL DATA 510AI CB5E CB5 001111100
141 DEPENDENT STEERING 510AJ CB5F CB5 22222222
141 TACTICAL NAVAREA OF 2 SYSC 510AK CB5G CB5A 11111111
141 TACTICAL NAVAREA OF 2 SYSC 510AL CB5H CB5E F11111111
141 TACTICAL NAVAREA OF 2 SYSC 510AM CB5I CB5T F11111111
141 TACTICAL NAVAREA OF 2 SYSC 510AN CB5J CB5J 11111111
141 ANTENNA TOP 710AA CB5BA CB5B 3
141 ANTENNA BOTTOM 710AB CB5BB CB5B 3
141 RADIO FREQ SWITCH 710AC CB5BC CB5B 2
141 ANTENNA SELECTOR 710AD CB5BD CB5B 2
141 CONTROL 710AE CB5BE CB5B 2
141 MOUNT 710AF CB5BF CB5B 0
141 MOUNT 710AG CB5BG CB5B 0
141 INDICATOR COUPLER 710AL CB5BH CB5B A
141 RESISTOR 710AM CB5BJ CB5B 1
141 WIRING 710AP CB5BK CB5B 1
141 TACAN INDICATOR COUPLER 710CC CB5BL CB5B A
141 MODE CONTROL 710CD CB5C CB5B AAAAAAAA
141 RADIO SET CONTROL 710CAN CB5CA CB5C 8
141 TRANSMIT/RECEIVE 710CB CB5D CB5B AAAAAAAA
141 RECEIVER/TRANSMITTER 710CC CB5DA CB5D A
141 RACK CONNECTOR 710CAH CB5DB CB5D 1
141 SHOCK MOUNT 710CAJ CB5DC CB5D 0
141 X/T MOUNT 92PA 710CAK CB5DD CB5D 0
141 LONG RANGE NAVIGATION 710DAA CB5DE CB5A 11111111
141 ANTENNA 720AA CB5DEA CB5E A
141 MOUNT MT 2693 720AB CB5DEB CB5E 0
141 INTERLOCK RELAY 720AC CB5DEC CB5E 1
141 COAXIAL CABLE 720AD CB5DED CB5E 1
141 RACK CONNECTOR 720AE CB5DEE CB5E 1
141 ANTENNA COUPLER CU 1563 720AG CB5DEF CB5E 8
141 WIRING 720AH CB5DEG CB5E 1
141 RECEIVER R 1214 720AP CB5DEH CB5E A
141 POWER SUPPLY PP 3865 720CC CB5DEJ CB5E A
141 AUTO DIRECTION FINDER 2EA SY 720CD CB5DF CB5A 11111111
141 AUTO DIRECTION FINDER 2EA SY 720CE CB5T F11111111
141 LOOP ANTENNA 71AAA CB5FA CB5F A
141 QUADRANT CORRECTOR 71AAB CB5FB CB5F A
141 ADF CONTROL TRANSFER SWITCH 71AAD CB5FC CB5F 1
141 CABLE ASSY SENSE 71AAE CB5FD CB5F 1

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FLIGHT SAFETY PREDICTION TECHNIQUE

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0000000001111111111222222223333333334444444445555555556666666667777777778
12345678901234567890123456789012345678901234567890123456789012345678901234567890
141 CABLE ASSY LOOP 71AAF CBDF 1
141 ADF MODE CONTROL 71AAG CBDF AAAAAA
141 CONTROL PANEL 2 EA 71AAC CBDA 1
141 ADF RECEPTION 71AAG CBDF AAAAAA
141 RECEIVER ADF 73A 71ACD CBDA A
141 KACK CONNECTOR 71AAG CBDF 1
141 SEARCH RADAR 71AAG CBDA 11111111
141 WAVE GUIDE 72AAA CBDA A
141 SYNCHRONIZER CONTROL C400SP 72AAB CBDA A
141 PAN OH 150 72AAC CBDA 5
141 SYNCHRONIZER MOUNT 72AAG CBDA 0
141 MOUNT 1557 72AAF CBDA 0
141 MOUNT 1497 72AAF CBDA 0
141 RELAY POWER 72AAG CBDA A
141 CABLE ASSEMBLY 72AAH CBDA 1
141 PANEL ABSORBER 72AAJ CBDA 2
141 COAXIAL CABLE 72AAK CBDA 1
141 JUNCTION BOX 72AAL CBDA 1
141 WIRING 72AAM CBDA 1
141 MARKER GENERATOR SG 401 72AAA CBDA A
141 GENERATOR CONTROL C 3939 72AAB CBDA A
141 ANTENNA CONTROL C4000 72AAC CBDA 2
141 WIRING 72AAB CBDA 1
141 RECEIVER/TRANSMITTER RT2495 72AAG CBDA A
141 DATA GENERATOR 72AAG CBDA A
141 ELECTRONIC CONTROL AM 853 72AAG CBDA A
141 ANTENNA AS 1195/APN 59 72AAL CBDA A
141 SYNCHRONIZER SA 150 72AAM CBDA A
141 RADAR MODE CONTROL 72AAG CBDA AAAAAA
141 RADAR SET CONTROL 72AAG CBDA A
141 RADAR PRESSURIZER 72AAG CBDA AAAAAA
141 PUMP MA 2 72BAA CBDA A
141 CONTROL C 3949P 72BAB CBDA A
141 SWITCH SA 377/U 72BAC CBDA A
141 DEHYDRATOR HD 185 72BAD CBDA 0
141 PLUMBING 72BAE CBDA 1
141 WIRING 72BAF CBDA 1
141 DOPPLER RADAR 72BAA CBDA 11111111
141 DOPPLER RADAR 72BAA CBDA AAAAAA
141 ANTENNA AS 1168 72EAA CBDA A
141 RADAR SET CONTROL C3813 72EAB CBDA A
141 TEST RECEPTACLE 72EAE CBDA 0
141 ANTENNA RESTRAINING CORD 72EAF CBDA 0
141 ABSORBER 72EAG CBDA 2
141 MOUNT 72EAH CBDA 0
141 WIRING 72EAK CBDA 1
141 RECEIVER/TRANSMITTER RT625A 72EAG CBDA A
141 FREQUENCY TRACKER CV 1191A 72ECO CBDA A
141 INTEGRATED STEERING 72EAK CBDA 11111111
141 NAVIGATION COMPUTER ASN-24 72EAK CBDA 11111111

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1234567890123456789012345678901234567890123456789012345678901234567890
141 NAVIGATION COMPUTER ASN-24 C4DP FJD 111111111
141 COMPUTER SET CONTROL C3501 72GAA C8DP C8DP A
141 RANGE AND SPNG IND C3953 72GAB C8DPH C8EP 2
141 LAT LONG IND C3962 72CAC C8DPC C8DP 2
141 TRACK CROSS TRK IND C3964 72GAD C8DPD C8DP 2
141 CELESTIAL DATA IND C3965 72GAE C8DPE C8DP 2
141 CIRCUIT BREAKER 72GAF C8DPF C8DP 1
141 MOUNT 72GAG C8DPG C8DP 0
141 INITIAL COUNT IND C6214 72GAH C8DPH C8DP 2
141 MODE CONTROL IND C6213 72GAJ C8DPJ C8DP 2
141 WIRING 72GAK C8DPK C8DP 1
141 DIGITAL COMPUTER CP641 72GBO C8DPL C8DP A
141 CONVERTER PP3214 72GCO C8DPM C8DP A
141 TEST ADAPTER MX7443 72GDO C8DPN C8DP 0
141 COURSE COMPUTER ASN-35 C8DQ C8DN 111111111
141 COURSE COMPUTER ASN-35 C8DQ FJD 111111111
141 INDICATOR CONTROL C3812 72FAA C8DQA C8DQ 2
141 AUX CROSS TRACK IND C 3820 72FAE C8DQB C8DQ 1
141 COMPUTER CP622 72FBJ C8DQC C8DQ A
141 CONTROL TRANSFORMER 72FAC C8DQD C8DQ A
141 WIRING 72FAD C8DQE C8DQ 1
141 C12 COMPASS/EA CF 2 SYSC C8DR C8DA 111111111
141 HEADING DIST C8DR DEA 222222222
141 C12 COMPASS/EA CF 2 SYSC C8DR FJD AAAAAA
141 DIRECTIONAL GYRO 52DAA C8DRA C8DR A
141 DIGITAL CONTROL 52DAH C8DRB C8DR A
141 REMOTE COMPENSATOR 52DAC C8DRC C8DR A
141 POWER SUPPLY AMPL 52DAE C8DRD C8DR A
141 MAGNETIC AZIMUTH DETECTOR 52DAF C8DRE C8DR A
141 AMPL MODULE P/N 257545-1 52DAF C8DRF C8DR A
141 AMPL MODULE P/N 2586427 52DAG C8DRG C8DR A
141 AMPL MODULE P/N 257545-1 52DAH C8DRH C8DR A
141 AMPL MODULE P/N 250258-1 52DAJ C8DRJ C8DR A
141 FAST SWING MODULE 2589227-1 52DAK C8DRK C8DR 1
141 WIRING 52DAL C8DRL C8DR 1
141 FLIGHT DIRECTORY GROUP 2SYS CBE CRA 111111111
141 FLIGHT DIRECTORY GROUP 2SYS CBE FKD 111111111
141 COMPUTER 518GA C8EA CBE 8
141 WIRING 518GJ C8EB CBE 1
141 HORIZ SITUATION INDICATOR 518GK C8EC CBE 1
141 PILOT NAV SELECTOR SW 518GL C8ED CBE 1
141 COPILOT NAV SELECTOR 518GM C8EE CBE 1
141 SHOCK MOUNT 518GN C8EF CBE 0
141 POWER ADEQUACY INDICATOR 518GE C8EG CBE 0
141 COMPUTER 56AFD C8EH CBE 8
141 TRANSFORMER ISOLATION 518GH C8FJ CBF 1
141 APPROACH AND LANDING AIDS CBF CBA 000000220
141 APPROACH/LAND MODES CBF CBF 222222222
141 PILOTS NAV SELECTOR 518GL C8FAA CBF8 1
141 COPILOTS NAV SEL 518GM C8FAB CBF8 1

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FLIGHT SAFETY PREJECTION TECHNIQUE

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0000000001111111112222222233333333444444445555555566666666777777778888888899999999
12345678901234567890123456789012345678901234567890123456789012345678901234567890
141 ILS MODE CBFA K CBFA AAAAAAAAAA
141 ILS MODE CBFC CBFC 11111111
141 ILS MODE CBFE CBFE AAAAAAAAAA
141 CONTROL BOX P/N R7400 56LAD CBFA 5
141 FAULT PANEL P/N R7400 56LAD CBFC 1
141 DISPLAY AND WARNING PANEL 56LAD CBFC 1
141 ANLS/FLT DYN TEST PANEL 56LAD CBFC 1
141 ELEVATOR POSITION XMTL 56LAD CBFC 4
141 VERTICAL ACCELEROMETER 4-A 56LAD CBFC 5
141 HORIZONTAL ACCELEROMETER 56LAD CBFC 5
141 PILOT NAV SELECT SWITCH 56LAD CBFC 1
141 COPILOT NAV SELECT SWITCH 56LAD CBFC 1
141 WIRING 56LAD CBFC 1
141 CONNECTORS 56LAD CBFC 1
141 COAXIAL CABLE 56LAD CBFC 1
141 ILS DATA CBFA CBFA 11111111
141 DISPLAY AND WARNING PANEL 56LAD CBFA A
141 AUTO ANLS CBFA AAAAAAAAAA
141 AUTO ANLS CBFA AAAAAAAAAA
141 DISPLAY AND WARNING PANEL 56LAD CBFA A
141 AUTOPILOT CONTROL PANEL 56LAD CBFA A
141 GLIDESLOPE REACH OF 2 SYS CBFA 11111111
141 GLIDESLOPE REACH OF 2 SYS CBFA FAAAAAAAAA
141 GLIDESLOPE REACH OF 2 SYS CBFA 00000110
141 ANTENNA 372 4 71EAD CBFA A
141 RECEIVER 800-A 2EA 71EAD CBFA 1
141 RECEIVER 51V-4 2EA 71EAD CBFA 1
141 WIRING 71EAD CBFA 1
141 VHF NAV REA OF 2 SYS CBFA CBFA 011111000
141 VHF NAV REA OF 2 SYS CBFA CBFA 11111111
141 VHF NAV REA OF 2 SYS CBFA CBFA FAAAAAAAAA
141 VHF NAV REA OF 2 SYS CBFA CBFA FAAAAAAAAA
141 VHF NAV CBFA FJD 11111111
141 ANTENNA NOSE 71EAD CBFA A
141 ANTENNA LEFT TAIL 71EAD CBFA 2
141 ANTENNA RIGHT TAIL 71EAD CBFA 2
141 COAXIAL CABLE ASSY 71EAD CBFA 1
141 RECEIVER 800-A 2EA 71EAD CBFA 1
141 CONTROL PANEL 2EA 71EAD CBFA 1
141 INTERLOCK RELAY 71EAD CBFA 1
141 JACK CONNECTOR 2EA 71EAD CBFA 1
141 WIRING 71EAD CBFA 1
141 RECEIVER 51V-6 2EA 71EAD CBFA 1
141 VERTICAL NAVIGATION CBFA CBFA 011111000
141 VERTICAL NAVIGATION CBFA CBFA 11111111
141 VERTICAL NAVIGATION CBFA CBFA FAAAAAAAAA
141 VHF NAV CBFA CBFA 11111111
141 CONTROLLER 2EA 56CAD CBFA 1
141 VHF NAV COMPUTER 56CAD CBFA A
141 LOCALIZER ANTENNA SYSTEM 56CAD CBFA A

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PGS095.J181 DATE = 02/14/76

FLIGHT SAFETY PREDICTION TECHNIQUE

000000001111111111222222222233333333334444444444555555555566666666667777777777			
1234567890123456789012345678901234567890123456789012345678901234567890			
141MARKER BEACON		CBFJ	CBFJZ
141MARKER BEACON		CBFJ	CBFP
141MARKER BEACON		CBFJ	CBT
141 ANTENNA	715AA	CBFJA	CBFJ
141 RECEIVER 512	715AP	CBFJB	CBFJ
141 SENSITIVITY SWITCH	715AC	CBFJC	CBFJ
141 RESISTOR	711AG	CBFJG	CBFJ
141 JACK CONNECTOR	715AH	CBFJH	CBFJ
141 WIRING	715AJ	CBFJJ	CBFJ
141MARKER BEACON ATTN		CBFJZ	CBF
141APPROACH/LAND DISPLAYS		CBFL	CBF
141VERTICAL GUIDANCE INFO		CBFM	CBFL
141 ATTITUDE DIRECTOR IND	56AAC	CBFMA	CBFM
141 A/D SERVO AMPL	56ACU	CBFMR	CBFM
141LATERAL GUIDANCE INFO		CBFN	CBFL
141 HORIZ SIT INFO 2FA	516BK	CBFNA	CBFN
141 NAV SEL SA PILOT	51PGL	CBFNR	CBFN
141 NAV SEL CO PILOT	516GM	CBFNC	CBFN
141RANGE INFO		CBFP	CBFL
141 AIRWAY INDICATOR LITE 2FA	715AD	CBFPA	CBFP
141 MID MARKER IND LITE 2FA	715AE	CBFPB	CBFP
141 OUTER MARKER IND LITE 2FA	715AF	CBFPC	CBFP
141ALTITUDE DISPLAYS		CBFQ	CBFL
141 ATTITUDE DIRECTOR IND	56AAD	CBFQA	CBFQ
141 A/D SERVO AMPL	56ACU	CBFQB	CBFQ
141 DISPLAY AND WARN PRELADAK	56DEO	CBFQC	CBFQ
141WGA COMPUTATION		CBFR	CBFC
141 ROTATION GN AROUND COMPUTER	56RJO	CBFRA	CBFR
141 RGA SW 2FA	995EZ	CBFRR	CBFR
141WING FLAP POSITION XYTR	56DJH	CBFRC	CBFR
141FLARE		CBFS	CBFC
141 FLARE COMPUTER	56ELO	CBFSA	CBFS
141PLC		CBFT	CBFC
141 TEST PROGRAM LOGIC COMPUTER	56DGO	CBFTA	CBFT
141AUTO THROTTLE COMMANDS		CBFU	BP
141 SPEED TRIMMER	56BHC	CBFUA	CBFU
141 AUTO THROTTLE COMPUTER	56PCU	CBFUB	CBFU
141 CLUTCH PACK	56BEO	CBFUC	CBFU
141 MOTOR GENERATOR	56HGO	CBFUD	CBFU
141AWS AUTO PITCH COMMANDS		CBFV	FKB
141 ELEVATOR COMPUTER	52EAO	CBFVA	CBFV
141 WING FLAP POSITION XYTR	56DJC	CBFVG	CBFV
141AWS AUTO ROLL COMMAND		CBFW	CBFX
141AWS AUTO ROLL COMMAND		CBFW	FJB
141AILERON COMPUTER	52ECO	CBFWA	CBFW
141AWS AUTO YAW COMMAND		CBFX	FHC
141 YAW DAMPER COMPUTER	52EBO	CBFXA	CBFX
141AWS AUTO FLT SIGNAL		CBFY	CBFV
141AWS AUTO FLT SIGNAL		CBFY	CBFW
141 AUTOPILOT COUPLER	52EEO	CBFYA	CBFY

PGS 125, J191 - DATE = 02/06/76

FLIGHT SAFETY PREDICTION TECHNIQUE

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00000000111111111222222223333333333444444444555555555666666666777777777
1234567890123456789012345678901234567890123456789012345678901234567890
141HEADING INFORMATION                                CCG                                CBC                                222222222
141BOHI HEADING INFO                                CBGA                                CBG                                111111111
141 BOHI SELECTOR SW 2 CA P/CP 71GAB              CBGAA                               CBGA                               1
141 BOHI SELECTOR SW NAVIGATOR 71GAD              CBGAB                               CBGA                               0
141 TRANSFORMER 71GAF                             CBGAC                               CBGA                               1
141 PILOT BOHI 71GAF                              CBGAD                               CBGA                               1
141 CO PILOT BOHI 71GAG                           CBGAE                               CBGA                               1
141 NAVIGATOR BOHI 2FA 71GAH                      CBGAF                               CBGA                               0
141 WIRING 71GAJ                                  CBGAG                               CBGA                               1
141HSI HEADING INFO                                CBGJ                                CBG                                111111111
141HSI HEADING INFO                                CBGB                                FJD                                111111111
141 HORIZ SITUATION IND 2EA 51BGK                 CBGBA                               CBGB                               1
141 PILOT NAV SELECTOR SWITCH 51BGL               CBGBB                               CBGB                               1
141 CO PILOT NAV SELECTOR 51BGM                   CBGBB                               CBGB                               1
141SEARCH RADAR HEADING INFO                       CBGC                                CBG                                111111111
141 PILOTS INDICATOR 72FHC                         CBGCA                               CBGC                               1
141 NAVIGATOR INDICATOR 72AJC                      CBGCB                               CBGC                               1
141 POWER SUPPLY 2EA 72AKO                         CBGCC                               CBGC                               1
141NAV COMPUTER HEADING INFO                       CBGD                                CBG                                111111111
141 CONTROL INDICATOR 72CAH                        CBGDB                               CBGD                               1
141AOI HEADING INFO 2 SYS                          CBGE                                CBG                                111111111
141 ATTITUDE DIRECTOR IND 51BGB                   CBGEA                               CBGE                               1
141 AOI AMPLIFIER 51BGC                           CBGEB                               CBGE                               1
141 ATTITUDE DIRECTOR IND 56AAC                    CBGEC                               CBGE                               1
141 AOI AMPLIFIER 56ACU                            CBGED                               CBGE                               1
141BEARING INFORMATION                             CBH                                CBC                                222222222
141BOHI BEARING INFO                               CBHA                                CBH                                111111111
141 BOHI SELECTOR SW 2EA P/CP 71GAB              CBHAA                               CBHA                               1
141 BOHI SELECTOR SW NAVIGATOR 71GAD              CBHAB                               CBHA                               0
141 TRANSFORMER 71GAF                             CBHAC                               CBHA                               1
141 BOHI PILOT 71GAF                              CBHAD                               CBHA                               1
141 BOHI COPILOT 71GAG                           CBHAE                               CBHA                               1
141 BOHI NAVIGATOR 2FA 71GAH                      CBHAF                               CBHA                               0
141 WIRING 71GAJ                                  CBHAG                               CBHA                               1
141HSI BEARING INFO                               CBHB                                CBH                                111111111
141 HORIZ SITUATION IND 2EA 51BGK                 CBHBA                               CBHB                               1
141 NAV SELECTOR SW CO PILOT 51BGM                 CBHBC                               CBHB                               1
141NAV COMP BEARING INFO                           CBHC                                CBH                                111111111
141 INDICATOR BEARING AND RANGE 72GAB             CBHCA                               CBHC                               5
141RIFT ANGLE APN 147                              CBHD                                CBH                                000000000
141 INDICATOR ID93BA 72EAC                        CBHDA                               CBHD                               A
141SEARCH RADAR BEARING INFO                       CBHE                                CBH                                111111111
141 PILOT INDICATOR 72FHC                         CBHEA                               CBHE                               1
141 NAVIGATOR INDICATOR 72AJC                     CBHEB                               CBHE                               1
141 POWER SUPPLY 72AKO                            CBHEC                               CBHE                               1
141RANGE INFORMATION                              CBJ                                CBC                                111111111
141BOHI RANGE INFO                                CBJA                                CBJ                                111111111
141 BOHI SELECTOR SW 2EA P/CP 71GAB              CBJAA                               CBJA                               1
141 BOHI SELECTOR SW NAVIGATOR 71GAD              CBJAB                               CBJA                               0
141 TRANSFORMER 71GAE                             CBJAC                               CBJA                               1

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PG0095.JIR1 DATE = 02/04/75

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00000000111111111122222222233333333344444444455555555566666666677777777778
1234567890123456789012345678901234567890123456789012345678901234567890

141 ADHI PILOT	71CAF	CBJAD	CBJA	1	
141 ADHI COPILOT	71GAG	CBJAE	CBJA	1	
141 ADHI NAVIGATOR 2EA	71CAH	CBJAF	CBJA	0	
141 WIRING	71GAJ	CBJAG	CBJA	1	
141 PSI RANGE INFO		CBJJ	CBJ		111111111
141 HPIZ SITUATION IND 2EA	51FGK	CBJBA	CBJB	1	
141 NAV SELECTOR SW PILOT	51FGL	CBJBB	CBJB	1	
141 NAV SELECTOR SW COPILOT	51FGM	CBJBC	CBJB	1	
141 SEARCH RADAR RANGE INFO		CBJC	CBJ		111111111
141 PILOT INDICATOR	72AHC	CBJCA	CBJC	1	
141 NAVIGATOR INDICATOR	72AJC	CBJCB	CBJC	1	
141 POWER SUPPLY 2EA	72AKG	CBJCC	CBJC	1	
141 NAV COMPUTER RANGE INFO		CBJD	CBJ		111111111
141 INDICATOR RANGE AND BEARING 72GBB		CBJDA	CBJD	A	
141 GROUND SPEED INFO		CBJE	CBJ		000000000
141 INDICATOR IDDBA	72EAC	CBJEA	CBJE	A	
141 PRESENT POSITION		CBK	CBK		111111111
141 NAVIGATION COMPUTER INFO		CBKA	CBK		111111111
141 INDICATOR RANGE AND BEARING 72CAB		CBKAA	CBKA	1	
141 INDICATOR LAT LONG	72GAC	CBKAB	CBKA	1	
141 INDICATOR TRACK	72GAD	CBKAC	CBKA	1	
141 INDICATOR CELESTIAL DATA	72GAE	CBKAD	CBKA	1	
141 CONTROL INDICATOR INITIAL	72GAH	CBKAE	CBKA	1	
141 LUDAN INFO		CBKB	CBK		111111111
141 RECEIVER R 1214	72DFD	CBKBA	CBKB	A	
141 SEARCH RADAR INFO		CBKC	CBK		111111111
141 PILOT INDICATOR	72FHG	CBKCA	CBKC	1	
141 NAVIGATOR INDICATOR	72AJG	CBKCB	CBKC	1	
141 POWER SUPPLY 2EA	72AKO	CBKCC	CBKC	1	
141 NAV TIME MONITORING		CBT	CBF		K CBF 111111111
141 MONITOR PANEL C 3943	64AAP	CBTA	CBT	A	
141 IDENTIFICATION APX 64		CC	C		000000000
141 ANTENNA	65EAB	CCA	CC	A	
141 MOUNT	65EAC	CCB	CC	0	
141 TEST JACK	65EAD	CCC	CC	0	
141 COAXIAL CABLE	65EAE	CCD	CC	1	
141 WIRING CONNECTOR	65EAF	CCF	CC	1	
141 TRANSPONDER CONTROL	65EAA	CCF	CC	8	
141 GAGE INPUT CONTROL	65EAG	CCG	CC	1	
141 RECEIVER	65EFO	CCH	CC	8	
141 TEST SET TRANSPONDER	65EGG	CCJ	CC	0	
141 WIRING CONNECTOR	71AAH	CBDF	CBDF	1	
141 WIRING	71AAJ	CBDFE	CBDF	1	
141 SENSE ANTENNA	71ABD	CBDFE	CBDF	1	
141 COUPLER	71ABA	CBDFG	CBDF	1	
141 INFORMATION AND DISPLAY		D			AAAAAAAAA
141 FLIGHT STATUS	DA	D			011111130
141 ALTITUDE INFO	DAA	DA	E		00A111AA3
141 BARO ALTITUDE	DAB	DAA			001AAA210
141 NORMAL INDICATION	DAC	DAB	DAD		111111111

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0000000011111111222222222222333333333333444444444444555555555555666666666666777777777777
12345678901234567890123456789012345678901234567890123456789012345678901234567890
141 PILOTS INDICATION DAC 22222222
141 INDICATOR ALTIMETER 51AAC DACAA DAC 8
141 ALT MON SW PILOT 9951B DACAB DAC 2
141 COPILOTS INDICATION DACB JAC 11111111
141 INDICATOR ALTIMETER 51AAC DACBA DACR 3
141 ALT MON SW COPILOT 9951B DACBB DACR 2
141 STANDBY INDICATION DAD DAB K DAC 11111111
141 PRESS ALT STANDBY 51BHB DABA DAO 6
141 NAV/FLT ENG INDICATION DAE DAB 00000000
141 ALT PRESS 12 EAC 51EHA DAEA DAE 2
141 RADAR ALTITUDE IND DAF DAA 001000210
141 INDICATOR 72JHO DAFA DAF 8
141 ALTITUDE PROCESSOR DAFB CPEQ 11111111
141 RADAR ALTITUDE PROCESSING DAFB DAF AAAAAA44
141 RT ASSY 72JAC DAFBA DAFB 8
141 ANTENNA 32 EAC 72JCC DAFBB DAFB 3
141 MOUNT 72JCC DAFBC DAFB 0
141 VERTICAL VELOCITY DAG DAA 000000010
141 PILOTS IND DAGA DAG 22222222
141 VERT VELO IND 51AAC DAGAA DAG 8
141 COPILOTS IND DAGE DAG 11111111
141 VERT VELO IND 51AAC DAGBA DAGR 8
141 ATTENUATION DAX DA 11111111
141 AIRSPEED DBA DAX 04101010
141 AS/MACH INDication DBB DBA 33333333
141 NORM AS INDication JAC DBB DBD 11111111
141 PILOTS INDication DBCA DBD 22222222
141 AS/MACH IND 51AAB DBCAA DBCA 8
141 COPILOTS INDication DBCB DBD 11111111
141 AS/MACH IND 51AAB DBCAA DBCB 8
141 STANDBY AS INDication DBD DBB K DBD AAAAAA44
141 INDICATOR 51BHC DBDA DBD 8
141 TAS INDication DBE DBA K DBB AAAAAA44
141 INDICATOR TAS 51AAD DBEA DBE 8
141 CAD SEL SW 65BAG DBER DBE 2
141 G-LOAD DCA DAX 00000000
141 ACCELEROMETER 51BHD DCAA DCA A
141 ATTITUDE DCH DA F 01111110
141 ROLL/PITCH INDication DCC DBB 99999999
141 PILOTS INDication DCD DCC 22222222
141 ADI 51FGB DCEA DCD 3
141 ADI 56AAD DCUR DCD 8
141 AMPLIFIER ADI 51BGC DCCD DCD 8
141 AMPLIFIER ADI 56ACG DCD DCD 8
141 ATTITUDE SENSING PILOT 51BGF DCE DCD AAAAAA44
141 GYRO RATE SWITCH 51BGG DCEA DCE 3
141 GYRO DISPLACEMENT 51BGG DCEA DCE A
141 WIRING 51PGJ DCEC DCE 1
141 SHOCK MOUNT 51BGN DCEC DCE 1
141 COPILOTS INDICATION DCF DCC 11111111

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POG95.J1R1 DATE = 02/04/75

FLIGHT SAFETY PREDICTION TECHNIQUE

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0000000011111111112222222222333333333344444444445555555555666666666677777777778
12345678901234567890123456789012345678901234567890123456789012345678901234567890
141 ADI 51EGH DCFA DCF 8
141 ADI 56AAC DCFB DCF 8
141 AMPLIFIER ADI 51EGC DCFD DCF 8
141 AMPLIFIER ADI 56AEC DCFD DCF 8
141 ATTITUDE SENSING COPILOTS DCG DCF 8 AAAAAAAAAA
141 GYRO RATE SWITCH 51EGF DCGA DCG 3
141 GYRO DISPLACEMENT 51EGG DCGB DCG A
141 AIRING 51EGJ DCGC DCG 1
141 SHOCK MOUNT 51EGN DCGD DCG 1
141 TURN/SLIP INDICATION DCH DCH 1111111111
141 PILOTS INDICATION DCH DCH 2222222222
141 ADI 51RGE DCJA DCJ 8
141 AMP ADI 51EGC DCJB DCJ 8
141 TURN SENSING PILOTS DCK DCJ AAAAAAAAAA
141 TRANSMITTER 51EGD DCKA DCK A
141 POWER ADEQUATE IND 51RGE DCKB DCK 1
141 COPILOTS INDICATION DCL DCH 1111111111
141 ADI 51RGE DCLA DCL 8
141 AMP ADI 51RGC DCLB DCL 8
141 TURN SENSING COPILOTS DCM DCL AAAAAAAAAA
141 TRANSMITTER 51RGL DCMC DCM A
141 POWER ADEQUATE IND 51RGE DCMB DCM 1
141 TOTAL TEMP DCM DA 0000000000
141 PILOTS TT IND DCM DCM 2222222222
141 TOTAL TEMP IND 51EFC DCMC DCM 8
141 FLT ENG TEMP IND DCM DCM 1111111111
141 TOTAL TEMP IND 51EFC DCMC DCM 8
141 WARNINGS DD 0 1111111111
141 TAKEOFF WARNING DD 0 0000000000
141 DOORS CLOSED DDB DDB AAAAAAAAAA
141 SPOILERS CLOSED DDB DDB AAAAAAAAAA
141 SPOILER HYD3 DISENGAGE RELAY 14HBJ DDBA DDB A
141 SPOILER HYD2 DISENGAGE RELAY 14HBJ DDBB DDB A
141 SPOIL CONT WARN RELAY 14HBJ DDBB DDB A
141 THRUST REVERSERS CLOSED DDB DDB AAAAAAAAAA
141 THRUST REV UNLOCK RELAY 23TSB DDBA DDB A
141 ESSENTIAL POWER CONNECTED DDB DDB AAAAAAAAAA
141 ESS NAV BUS NO 2 RELAY 42EAD DDBA DDB A
141 ISG AC BUS OFF RELAY 42EAG DDBB DDB A
141 AUTO PILOT DISENGAGED DDB DDB AAAAAAAAAA
141 SWITCHING ASSY NO 2 52HBB DDBA DDB A
141 SWITCHING ASSY NO 1 52HBB DDBB DDB A
141 WEIGHT ON WHEELS DDB DDB AAAAAAAAAA
141 TOUCHDOWN RELAY NO 9 13ACB DDBA DDB A
141 FLAPS IN TAKEOFF POSIT DDB DDB AAAAAAAAAA
141 FLAP POSITION RELAY 14GDF DDBA DDB A
141 FLAP POSIT SW 14GDD DDBB DDB A
141 HORIZ STAB IN TRIM DDB DDB AAAAAAAAAA
141 STAB TRIM RELAY 14HBF DDBA DDB A
141 RECTIFIER 49EGA DDBX DDJ A

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PG0995.JIR1 DATE = 02/04/75

FLIGHT SAFETY PREDICTION TECHNIQUE

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 12345678901234567890123456789012345678901234567890123456789012345678901234567890

141	WIRING	49F58	DDAY	DLB	1
141	INDICATOR WARN LITE	49DAB	DDBZ	DLB	A
141	MAXIMUM SPEED WARNING		DDC	DLT	F111111111
141	MAXIMUM SPEED WARNING		DDC	DLA	00000000
141	TONE GENERATION		DDCA	DDC	AAAAAAAAAA
141	OVERSPEED WARN RELAY	49ECC	DDCAA	DDCA	A
141	GENERATOR MAX SPEED WARN	49ECB	DDCAN	DDCA	A
141	RESISTOR	49EAE	DDCAC	DDCA	A
141	WIRING	49ECB	DDCAD	DLCA	1
141	WARNING DIST		DDCH	DDC	AAAAAAAAAA
141	AMPLIFIER PILOTIC	49ECA	DDCHA	DDCB	2
141	AMPLIFIER SCPILOTIC	49ECA	DDCBH	DDCB	1
141	AMPLIFIER LEFT ENGIC	49ECA	DDCHC	DDCB	1
141	AMPLIFIER OBSERVERIC	49ECA	DDCHD	DDCB	0
141	AUDIBLE WARN TERM PANEL	49EAA	DDCBF	DDCB	1
141	TERMINAL STRIP	49EAC	DDCBF	DDCB	1
141	COVER	49EAD	DDCHG	DDCB	0
141	RESISTORS AR EAC	49EAE	DDCBH	DDCB	1
141	WIRING	49EAF	DDCBJ	DDCB	1
141	AMPLIFIER PILOTIC	49EAB	DDCBK	DDCB	2
141	AMPLIFIER SCPILOTIC	49EAB	DDCBL	DDCB	1
141	AMPLIFIER LEFT ENGIC	49EAB	DDCBM	DDCB	1
141	AMPLIFIER OBSERVERIC	49EAB	DDCBN	DDCB	0
141	RAILOUT ALARM		DDO	DDO	000000000
141	RAILOUT ALARM SWITCH	4949H	DDDA	DDO	A
141	HORN-RAILOUT ALARM	49EEA	DDDBH	DDO	8
141	WIRING	49EEB	DDDC	DDO	1
141	MISC RECORDING		DE	DE	000000000
141	AIRBORNE FLIGHT RECORD		DEA	DE	0AAAAAAAAA
141	RECORDER UNIT	510FA	DEAA	DEA	8
141	ACCEL SENSOR REMOTE	510FB	DEAB	DEA	2
141	MAGAZINE RECORDER UNIT	510AC	DEAC	DEA	3
141	LEAD FORCE PERF RECORDER		DEB	DE	AAAAAAAAAA
141	PERF RECORDER	49HAC	DEBA	DEB	8
141	SIGNAL PRECONDITIONER	49HAB	DEBB	DEB	A
141	TIMER PANEL	49HAC	DEBC	DEB	A
141	PCM PANEL	49HAD	DEBD	DEB	A
141	RECORDER BASE	49HAE	DEBE	DEB	1
141	RECORDER CASSETTE	49HAF	DEBF	DEB	8
141	TRANSDUCERS	49HAG	DEBG	DEB	2
141	WIRING	49HAH	DEBH	DEB	1
141	SIG DATA TRANSLATOR	49HAA	DEBJ	DEB	A
141	ENVIRONMENTAL CONTROL		E		AAAAAAAAAA
141	LIGHTING		EA	E	D 111111121
141	INTERNAL LIGHTING		EAA	EA	0AAAAAAAAA
141	PUSH BUTTON SWITCHES	44CAA	EAAAA	EAZ	1
141	RESISTOR	44CAB	EAAAB	EAZ	1
141	STEP-DOWN TRANSFORMER	44CAC	EAAAC	EAZ	1
141	VARIABLE TRANSFORMER	44CAD	EAAAD	EAZ	1
141	CONTROL RELAY	44CAE	EAAAE	EAZ	1

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FLIGHT SAFETY PREDICTION TECHNIQUE

000000001111111111222222222233333333334444444444555555555566666666667777777777
1234567890123456789012345678901234567890123456789012345678901234567890

141 DIMMER RELAY	44CAF	EAAH	EAZ	1	
141 FUSE/STAT	44CAG	EADG	EAZ	1	
141 RECTIFIER	44CAH	EAAH	EAZ	1	
141 CIRCUIT BREAKER	44CAJ	EAAJ	EAZ	1	
141 WIRING	44CAK	EAAK	EAZ	1	
141 EXTERIOR LIGHTING ATTEN		EAB	EA		111111121
141 EXTERIOR LIGHTING		EAC	EAB		111111111
141 FLT STATION LIGHTING		EAD	EAA		011111120
141 PRIMARY LIGHTING		EAE	EAD		111111111
141 PANEL EDGE LIGHTS	44EAF	EAF	EAZ	1	
141 NAV-ENG WORKTABLE LIGHTS	44EAG	EAEH	EAE	1	
141 HAND SIGNAL LIGHT	44EAK	EAEK	EAE	2	
141 POST PANEL LIGHT	44EAE	EALD	EAE	1	
141 WIRING	44EAS	EAEH	EAE	0	
141 SECONDARY LIGHTING		EAF	EAL		111111111
141 UTILITY LIGHTS	44EAB	EAF	EAF	1	
141 PANEL FLOOD LIGHTS	44EAD	EAFH	EAF	1	
141 FLT STATION DOME LIGHTS	44EAH	EAFD	EAF	1	
141 FLT STATION READING LTS	44EAJ	EAFD	EAF	1	
141 LAVATORY LIGHT	44EAL	EAFE	EAF	0	
141 FLT STA ACCESS LIGHT	44EAM	EAFH	EAF	1	
141 WIRING	44EAS	EAFH	EAF	1	
141 CARGO LIGHTING		EAG	EAA		000000000
141 CARGO COMP DOME LIGHTS	44EAA	EAGA	EAW	1	
141 CARGO LOADING FLOOD LIGHT	44EAC	EAGH	EAW	0	
141 WIRING	44EAS	EAGC	EAW	0	
141 WARNING LIGHTS		EAH	EGA		111111111
141 CONTROL UNIT	44EPA	EAAH	EAH	A	
141 MASTER CAUTION LIGHT	44EPH	EAAH	EAH	A	
141 ANNUNCIATOR LIGHT ASSY	44EPD	EAAH	EAH	8	
141 MASTER CAUTION COVER	44EPF	EAAH	EAH	4	
141 ANNUNCIATOR PANEL COVER	44EPH	EAAH	EAH	4	
141 WIRING	44EPF	EAAH	EAH	1	
141 WARNING LIGHTS	44EAR	EAAH	EAH	A	
141 INSPECTION LIGHTS		EAJ	EAA		000000000
141 UNDER DECK LIGHT ASSY	44EAN	EAAJ	EAJ	8	
141 VERTICAL STAIR LIGHT ASSY	44EAP	EAAJ	EAJ	8	
141 AFT TUNNEL LIGHT ASSY	44EAD	EAAJ	EAJ	8	
141 WIRING	44EAS	EAAJ	EAJ	1	
141 NAVIGATIONAL LIGHTS		EAK	EAC		111111111
141 WIRING	44AAJ	EAKA	EAK	1	
141 PILOT AFT OVERHEAD PANEL	9944H	EAKH	EAK	2	
141 LANDING/TERRAIN CLEAR		EAL	EAC		000000000
141 LANDING LIGHT	44AAC	EALA	EAL	1	
141 LANDING LIGHT	44AAC	EALA	EAL	1	
141 PILOT FWD OVERHEAD PANEL	9944A	EALB	EAL	2	
141 TAXI LIGHTING		EAM	EAC		100000001
141 TAXI LIGHTS 2 EA	44AAD	EAMA	EAM	1	
141 TAXI LIGHTS 2 EA	44AAD	EAMA	EAM	1	
141 PILOT FWD OVERHEAD PANEL	9944A	EAMB	EAM	2	

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FLIGHT SAFETY PREDICTION TECHNIQUE

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000000001111111111222222222233333333334444444444555555555566666666667777777777
12345678901234567890123456789012345678901234567890123456789012345678901234567890
141 FORMATION LIGHTING EAN EAC 0011111100
141 PILOT AFT OVERHEAD PANEL 5944B EANA EAM 2
141 ANTI-COLLISION LIGHTING EAP FAC 1111111111
141 PILOT AFT OVERHEAD PANEL 9944B EAPA EAP 2
141 ANTI-COLLISION LTS 3 EA 44AAE EAPB EAP 2
141 INFORMATION LIGHTING EAO FAC 0000000000
141 PILOT AFT OVERHEAD PANEL 5944B EAOA EAO 2
141 LEADING EDGE LIGHT 44AAF LEAOB EAO 2
141 LEADING EDGE LIGHT 44AAF REAOB EAO 2
141 NOSE WHEEL WELL LIGHT 44AAG EAOC EAO 3
141 MAIN WHEEL WELL LIGHT 44AAH LEAOD EAO 3
141 MAIN WHEEL WELL LIGHT 44AAH REAOD EAO 3
141 FUSELAGE FORMATION LIGHTS EAR EAM 1111111111
141 FORMATION LIGHTS 3 EA 44AAB EARA EAR 3
141 WING FORMATION LIGHTING EAS EAM 1111111111
141 FORMATION LIGHTS 3 EA 44AAH LEAS FAS 1
141 FORMATION LIGHTS 3 EA 44AAH REAS FAS 1
141 L WING LIGHTING EAT FAK 1111111111
141 NAVIGATIONAL LIGHT 44AAA EATA EAT 3
141 R WING LIGHTING EAU EAK 1111111111
141 NAVIGATIONAL LIGHT 44AAA EAUA EAU 8
141 TAIL LIGHTING EAV EAK 1111111111
141 NAVIGATIONAL LIGHTS 2EA 44AAA EAVA EAV 1
141 WHITE CARGO LIGHTS EAW EAG 1111111111
141 RED CARGO LIGHTS EAX EAG 1111111111
141 CARGO COMP DONE LIGHTS 44BAA EAXA EAX 1
141 WIRING 44BAS EAXB EAX 0
141 INTERNAL LIGHTING ATTENUATION EAY EAA 1111111111
141 INTERNAL LIGHTING P&F CONT EAZ EAY 1111111111
141 OXYGEN EB E K ECN 0088880000
141 CREW OXYGEN EBA EB 0015550000
141 TROOP OXYGEN EBB EB 0001110000
141 OXYGEN PRESSURE CONTROL EBC EBH AAAAAAAAAA
141 MANUAL SHUTOFF VALVE 47AAB ERCA EBC 2
141 LOX PRESS REGULATOR 9 EA 47AAG ERCH EBD 1
141 MANUAL SHUTOFF VALVE EXT 47AAK ERCC EBC 8
141 OXYGEN DISTRIBUTION NORM EBD EBA EBE 2222222222
141 PRESSURE CLOSING VALVE 47AAN ERDA EBD A
141 HEAT EXCHANGERS 2 EA 47AAC ERDB EDB 2
141 VALVE-FILL- WILDOUP-VENT 47AAD EBOC EBD 1
141 DRAIN VALVE 47AAL EBOU EBD 1
141 OVERBOARD VENT 47AAE EBOE EBD 1
141 RECHARGE HOSE ASSEMBLY 47AAH EBOF EBD 1
141 PLUMBING 47AAM EBOG EBD 1
141 MASK TO REGULATOR HOSE 47AAJ EBDH EBD A
141 EMERGENCY OXYGEN EBE EBA K EBD AAAAAAAAAA
141 BOTTLE 5 EA 47BAA EBEA EBE 1
141 FILLER VALVE 5EA 47BAB EBEB EBE 1
141 REGULAR 5 EA 47BAC ESEC EBE 1

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FLIGHT SAFETY PREDICTION TECHNIQUE

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PG0095.JIR1 DATE = 02/04/75

FLIGHT SAFETY PREDICTION TECHNIQUE

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0000000001111111112222222233333333444444445555555566666677777777778
1234567890123456789012345678901234567890123456789012345678901234567890
141 AFT CAP ESCAPE HATCH SEAL 110CE ECAE 1
141 CTR CAP ESCAPE HATCH SEAL 110CC ECAS 1
141 SIDE EXIT DOOR SEAL 110C0 ECAT 1
141 FLIGHT STATION INVOICE ECH 001333100
141 FLT STA GASPER VALVE WFA 41ARD ECHA 2
141 NAV AIR CONT VALVE ASSY 41ACT ECH 2
141 FLT STA GASPER OR VALVE 41APE ECH 1
141 FLT STA LO A/C OUTLET 41ACJ ECBD 5
141 FLIGHT STATION CONTROL ECC 001333100
141 LO LIM SEP WATER TEMP SEN 41AAA ECCA A
141 LO LIM SEP WATER CONT BOX 41AAB ECCB A
141 PRI HEAT EXC AIR TEMP SEN 41AAC ECCC A
141 PRI HEAT EXC AIR TEMP CONT 41AAD ECCD A
141 FLT STA TEMP SENSOR BOX 41AAE ECE 3
141 FLT STA TEMP SENSOR 41AAF ECE 1
141 FLT STA TEMP ANTIC SEN DVC 41AAG ECE 1
141 FLT STA HI LIM AIR SEN DVC 41AAH ECE 1
141 PRI HEAT EXC ANTI TEMP SEN 41AAI ECE 1
141 OVERHEAT RELAY 41AAJ ECE 3
141 FLT STA TEMP CONT SELECTOR 41AAK ECE 1
141 MANUAL TEMP SWITCH 41AAL ECE 1
141 CONTROL RELAY 41AAM ECE 3
141 LOW LIMIT CONTROL RELAY 41AAN ECE 3
141 MASTER SELECT SWITCH 41AAO ECE 5
141 INDICATOR LIGHT 41AAP ECE 1
141 CIRCUIT BREAKER 41AAR ECE 2
141 WIRING 41AAS ECE 1
141 PRESS REGULATOR VALVE REL 41AAW ECE 3
141 TEMP INDICATOR 41JAA ECE 1
141 TEMP RLR 41JAB ECE 1
141 CARGO COMP ENVIRONMENT ECD 000000000
141 CARGO COMP CHECK VALVE 20441ARD ECD 3
141 CARGO COMP CONTROL ECE 000000000
141 LO LIM SEP WATER TEMP SEN 41AAA ECE A
141 LO LIM SEP WATER CONT BOX 41AAB ECE A
141 PRI HEAT EXC AIR TEMP SEN 41AAC ECE A
141 PRI HEAT EXC AIR TEMP CONT 41AAD ECE A
141 CARGO COMP TEMP CONT BOX 41AAJ ECE A
141 CARGO COMP ANTIC FUOT TEMP 41AAK ECE A
141 CARGO COMP TEMP SENSOR 41AAL ECE A
141 PRI HEAT EXC ANTI TEMP SEN 41AAI ECE A
141 OVERHEAT RELAY 41AAJ ECE 3
141 CARGO TEMP CONT SELECTOR 41AAK ECE 3
141 MANUAL TEMP SWITCH 41AAL ECE 2
141 CONTROL RELAY 41AAM ECE 3
141 LOW LIMIT CONTROL RELAY 41AAN ECE 3
141 MASTER SELECT SWITCH 41AAO ECE 5
141 INDICATOR LIGHT 41AAP ECE 3
141 CIRCUIT BREAKER 41AAR ECE 2
141 WIRING 41AAS ECE 1

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FLIGHT SAFETY PREDICTION TECHNIQUE

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000000001111111122222222333333334444444455555555666666667777777777
1234567890123456789012345678901234567890123456789012345678901234567890
141 PRESS REGULATOR VALVE 41A7X ECEI ECE 3
141 TEMPERATURE INDICATOR 41JAA ECIU ECE 2
141 TEMPERATURE GULL 41JAB ECEV ECE 2
141 INDICATOR 41JAC ECFW ECE 2
141 SENSOR 41JAD ECEX ECE 2
141 FAN 41JAE ECEY ECE 3
141 CONDITIONED AIR DIST ECF EC 11111111
141 CONDITIONED AIR LIST ECF LEC FAAAAAAAAA
141 AIR COND LO PRESS JOINT 41A7A ECEA ECF 2
141 EXHAUST DUCTS 41A7B ECFAA ECF 0
141 GND A/C PRESS FLOW CK VAL 41A7C ECFAB ECF 0
141 PRI HEAT EXCHANGER IN DUCT 41A7D ECFB ECF 3
141 AIR COND DIVERTER VALVE 41A7E ECFD ECF 1
141 FLT STA ALT SHUTOFF VALVE 41A7F ECFD ECF 1
141 TURBINE BYPASS VALVE 2EA 41A7A ECFE ECF 1
141 PRI HT EXC EXIT PAN VALVE 41A7B ECFE ECF 3
141 FLOW CONT SHUTOFF VALVE 2 41A7P ECFD ECF 2
141 CABIN TEMP CONT VALVE 2EA 41A7L ECFJ ECF 1
141 INSULATION BLANKET 41A7S ECFK ECF 0
141 PRI HEAT EXCHANGER OUT DUCT 41A7C ECFL ECF 2
141 AIR PRESS REGULATOR VALVE 41A7M ECFM ECF 1
141 PRESSURE RELIEF VALVE 41A7N ECFN ECF 1
141 RELIEF VALVE OUTLET DUCT 41A7D ECFP ECF 1
141 FLOW CONT VALVE OUT DUCT 41A7E ECFQ ECF 1
141 FLOW CONT VALVE IN DUCT 41A7G ECFR ECF 1
141 ACOUSTICAL MIXING CHAMBER 41A7H ECFR ECF 1
141 REFRIG BY-PASS DUCT 41A7K ECFI ECF 1
141 A/C MUFFLER ASSY DIST 41A7L ECFU ECF 1
141 COUPLING 41A7N ECFV ECF 1
141 BAND CLAMP 41A7P ECFW ECF 0
141 FLEX DUCT CONNECTOR 41A7Q ECFX ECF 1
141 LEAD EDGE LOV FAIR ASSY 41A7R ECFY ECF 1
141 DISTRIBUTION DUCTS 41A7S ECFZ ECF 1
141 NORMAL CONDITIONED AIR ECG ECF ECJ 11111111
141 VENT 41A7A ECGA ECG 2
141 PLUG 41A7B ECGB ECG 2
141 NOZZLE 41A7C ECGC ECG 2
141 PAN 41A7D ECGD ECG 2
141 CHAIN ASSEMBLY 41A7E ECGE ECG 3
141 AIR COND GROUND RECEPTACLE 41A7F ECGF ECG 0
141 APU-GND CONN CHECK VALVE 41A7F ECGG ECG 0
141 HI PRESS GND CHECK VALVE 41A7G ECGH ECG 0
141 AIR COND FLT STA LH ECH ECG 11111111
141 AIR CYCLE REFRIG ASSY 41A7A ECHA ECH A
141 PRI HEAT EXCHANGER 41A7B ECHB ECH A
141 SEC HEAT EXCHANGER 41A7C ECHC ECH A
141 TURBINE AND FAN ASSY 41A7D ECHD ECH A
141 INSULATION BLANKET 41A7E ECHF ECH 1
141 DIP STICK 41A7F ECHF ECH 0
141 THERMOSTATIC SWITCH 41A7G ECHG ECH 5

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FLIGHT SAFETY PREDICTION TECHNIQUE

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1234567890123456789012345678901234567890123456789012345678901234567890

141	WIRING	41ADH	ECHH	ECH	1
141	RAMP AND LOUVER ASSY	41ADJ	ECHJ	ECH	5
141	AIR COND WATER SEPERATOR	41AEA	ECHK	ECH	4
141	COALESCEER CONE	41AEB	ECHL	ECH	5
141	BY-PASS VALVE	41AEC	ECHM	ECH	3
141	SEPERATOR COAL DRAIN BAG	41AED	ECHN	ECH	2
141	PRI HT EXC EJECT BLEED	41AEK	ECHP	ECH	1
141	RAM AIR VENTILATION		ECJ	ECF K ECG	AAAAA 111111111
141	AIR COND CARGO COMP RH		ECK	ECG	
141	AIR CYCLE REFRIG ASSY	41ADA	ECKA	ECK	A
141	PRI HEAT EXCHANGER	41ADB	ECKB	ECK	A
141	SEC HEAT EXCHANGER	41ADC	ECKC	ECK	A
141	TURBINE AND FAN ASSY	41ADD	ECKD	ECK	A
141	INSULATION BLANKET	41ALE	ECKE	ECK	1
141	PIP STICK	41AEF	ECKF	ECK	0
141	THERMOSTATIC SWITCH	41ADG	ECKG	ECK	5
141	WIRING	41ADH	ECKH	ECK	1
141	RAMP AND LOUVER ASSY	41ADJ	ECKJ	ECK	5
141	AIR COND WATER SEPERATOR	41AEA	ECKK	ECK	4
141	COALESCEER CONE	41AEB	ECKL	ECK	5
141	BY-PASS VALVE	41AEC	ECKM	ECK	3
141	SEPERATOR COAL DRAIN BAG	41AED	ECKN	ECK	2
141	PRI HT EXC EJECT BLEED	41AEK	ECKP	ECK	1
141	RAM AIR		ECL	ECG	FAAAAAA
141	RAM AIR		ECL	ECJ	AAAAA
141	RAM AIR VENT SHUT-OFF VAL	41ADH	ECLA	ECL	5
141	CARGO FLOOR HEAT DIST		ECM	EC	00000000
141	CARGO FL HT MODULATE VALVE	41EBA	ECMA	ECM	A
141	SHUT OFF VALVE	41EBB	ECMB	ECM	5
141	INSULATION BLANKET	41EBC	ECMC	ECM	0
141	WIRING	41EBD	ECMD	ECM	0
141	EJECTOR DUCT	41ECA	ECME	ECM	3
141	FLANGED DUCT	41ECB	ECMF	ECM	2
141	SUPPLY DUCT	41ECC	ECMG	ECM	2
141	CLAMP COUPLING	41ECD	ECMH	ECM	1
141	CONNECTOR SLEEVE	41ECE	ECMJ	ECM	1
141	INSULATION BLANKET	41ECF	ECMK	ECM	1
141	DISTRIBUTION DUCT	41ECG	ECML	ECM	2
141	WIRING	41ECH	ECMM	ECM	1
141	CABIN PRESS CONTROL		ECN	EC	000111000
141	PLUMBING	41CAK	ECNA	ECN	1
141	JET PUMP PRESS REGULATOR	41CAC	ECNB	ECN	5
141	CABIN PRESS CONT VENTURI	41CAD	ECNC	ECN	3
141	CABIN PRESS CONTROL FAN	41CAE	ECND	ECN	5
141	OUTFLOW SAFETY VALVE 2 EA	41CAP	ECNE	ECN	1
141	JET PUMP SUPPLY CK VALVE	41CPC	ECNF	ECN	1
141	NEG PRESS RELIEF VALVE 2EA	41CPD	ECNG	ECN	1
141	TEST VALVE	41CBE	ECNH	ECN	1
141	INSULATION BLANKET	41CHF	ECNJ	ECN	0
141	WIRING	41CRG	ECNK	ECN	1

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000000000111111111222222222233333333334444444444555555555566666666667777777777
1234567890123456789012345678901234567890123456789012345678901234567890
141 JET PUMP INLET DUCT 41ACH ECNL FCN 1
141 JET PUMP ASSEMBLY 41ACH ECNM FCN 5
141 EMERG DEPRESSURIZATION 41ACH ECP K ECV 000151000
141 EMERG DEPRESS SOL VALVE 2 41ACH ECPA ECP 1
141 CABIN PRESS DUMP RELAY 2EA 41ACH ECPB ECP 1
141 AUTO PRESS CONTROL 41ACH ECU ECU 111111111
141 AUTOMATIC PRESS CONTROLLER 41ACH ECUA ECU A
141 LD PRESS CABIN LT SW 41ACH ECUH ECU 5
141 RATE OF CLIMB INDICATOR 41ACH ECUH ECU 1
141 DIFFERENTIAL PRESS INDICAT 41ACH ECUH ECU 1
141 MANUAL PRESS CONTROL 41ACH ECUH ECU K ECU AAAAAA
141 MANUAL PRESS CONTROLLER 41ACH ECUH ECU A
141 EMERGENCY PRESS SW 2 EA 41ACH ECUH ECU 1
141 CARGO HEAT CONTROL 41ACH ECUH ECU AAAAAA
141 CAP FLHT TMP CNT SENS 41ACH ECUH ECU A
141 TEMP CONTROL ANTIC SENS 41ACH ECUH ECU A
141 FLOOR HEAT SWITCH 41ACH ECUH ECU 5
141 FLOOR OVERHEAT RELAY 41ACH ECUH ECU 3
141 WIRING 41ACH ECUH ECU 1
141 NORMAL DEPRESS CONTROL 41ACH ECUH ECU 111111111
141 CABIN ALT LIMIT OVRD SW 41ACH ECUH ECU 3
141 WIRING 41ACH ECUH ECU 1
141 MASTER SELECT SW 41ACH ECUH ECU 5
141 ABNORMAL DEPRESS CONTROL 41ACH ECUH ECU K ECU AAAAAA
141 EMERG DEPRESS HANDLE 41ACH ECUH ECU A
141 FWD ESCAPE HATCH LATCH 41ACH ECUH ECU A
141 AFT CARGO ESCAPE LATCH 41ACH ECUH ECU A
141 UNDERFLOOR OVERHEAT SENSE 41ACH ECUH ECU 111111111
141 CONTROL UNIT 41ACH ECUH ECU A
141 SENSING ELEMENT 41ACH ECUH ECU A
141 RELAY-CARGO FLP OVHT TEST 41ACH ECUH ECU 1
141 RELAY, OVHT CONTROL 41ACH ECUH ECU A
141 RELAY OVHT CUTOFF 41ACH ECUH ECU 1
141 SWITCH, OVERHEAT 41ACH ECUH ECU A
141 RECTIFIER 41ACH ECUH ECU A
141 CONNECTORS 41ACH ECUH ECU 1
141 INTER CONNECTORS 41ACH ECUH ECU 1
141 TIE IN BUSHINGS 41ACH ECUH ECU 0
141 WIRING 41ACH ECUH ECU 1
141 WINDSHIELD CLEAR 41ACH ECUH ECU 111111111
141 RAIN REMOVAL 41ACH ECUH ECU 111111111
141 AIR SUPPLY AND DISTRIBUTION 41ACH ECUH ECU AAAAAA
141 NOZZLE ASSEMBLY 2 EA 41ACH ECUH ECU 1
141 RAIN REMOVAL DUCT 41ACH ECUH ECU 1
141 CLAMP 41ACH ECUH ECU 1
141 INSULATION BLANKET 41ACH ECUH ECU 0
141 DUCT CONNECTOR 41ACH ECUH ECU 1
141 WIRING 41ACH ECUH ECU 1
141 PRESS REG/SHUT VALVE 2 EA 41ACH ECUH ECU 1
141 SHUTOFF VALVE 2 EA 41ACH ECUH ECU 1

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000000000111111111112222222222333333333344444444445555555555666666666677777777778
12345678901234567890123456789012345678901234567890123456789012345678901234567890
141 CHECK VALVE 2 EA 41FEC EDEJ EDB 1
141 WIRING 41FED EDER EDB 1
141 RAIN REMOVAL CONTROL 41FEE EDC EDA AAAAAAAAAA
141 RELAY OVERHT CONTROL 2 EA 41FAA EDC EDC 5
141 CONTROL SWITCH 41FAB EDC EDC 5
141 CVRHT LT IMPCT CONT 2 EA 41FAC EDC EDC 3
141 RECTIFIER 3 EA 41FAD EDC EDC 2
141 CIRCUIT BREAKER 5 EA 41FAE EDC EDC 2
141 WIRING 41FAF EDC EDC 1
141 RAIN REPELLANT 41FAG EDC EDC G 111111111
141 RAIN REPELLANT CONTROL 41FAH EDC EDC AAAAAAAAAA
141 TOGGLE SWITCH 41HAA EDC EDC A
141 PRESSURE SWITCH 41HAB EDC EDC A
141 PULSE GENERATOR 2 EA 41HAC EDC EDC 2
141 COMPRESSOR RELAY 41HAE EDC EDC A
141 SUPPLY AND DISTRIBUTION 41HAF EDC EDC AAAAAAAAAA
141 SIGHT GAUGE 41HCB EDC EDC 0
141 FILLER CAP 41HCC EDC EDC 1
141 PLUMBING 41HCD EDC EDC 5
141 SOLENOID VALVE 2 EA 41HCE EDC EDC 5
141 RESERVOIR PRESSURE VALVE 41HCD EDC EDC 5
141 PURGE CHECK VALVE 41HCE EDC EDC 1
141 DRAIN VALVE 41HCF EDC EDC 2
141 MANUAL SHUTOFF VALVE 41HCA EDC EDC 1
141 COMPRESSOR ASSY 41HAD EDC EDC A
141 RESERVOIR 41HCA EDC EDC 5
141 ANTI-ICING AND DEFOG 41HAE EDC EDC Y 011111120
141 ANTI ICE AND DEFOG 41HAF EDC EDC F111111111
141 HI-NORM HEAT RELAY 3EA 41EDA EDC EDC 1
141 TRANSFORMER 3EA 41EDC EDC EDC 1
141 CIRCUIT BREAKER 6EA 41EDD EDC EDC 1
141 WIRING 41EDE EDC EDC 1
141 SIDE WINDSHIELD HT RELAY 241EEH EDC EDC 0
141 TRANSFORMER 2EA 41EEC EDC EDC C
141 PRIMARY SENSOR 4EA 41EED EDC EDC 1
141 SPARE SENSOR 41EEF EDC EDC 0
141 WIRING 41EEG EDC EDC 1
141 CONTROL 41EEH EDC EDC AAAAAAAAAA
141 CONTROL BOX 3EA 41EDH EDC EDC 1
141 CONTROL BOX 2EA 41EEA EDC EDC 0
141 CLEAR VISION SWITCH 2EA 41EEF EDC EDC 0
141 BLEED AIR DISTRIBUTION 41EEJ EDC EDC AAAAAAAAAA
141 BLEED AIR DISTRIBUTION 41EEJ EDC EDC AAAAAAAAAA
141 BLEED AIR DISTRIBUTION 41EEJ EDC EDC AAAAAAAAAA
141 BLEED AIR DISTRIBUTION 41EEJ EDC EDC AAAAAAAAAA
141 PYLON SHUT-OFF VALVE 4EA 41EHA EDC EDC 2
141 CHECK VALVE 41EDB EDC EDC 2
141 WING ISOLATION VALVE 41EDC EDC EDC 5
141 RELIEF VALVE 41EDD EDC EDC 3
141 WATER DRAIN VALVE 41EDF EDC EDC 1

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141 INSULATION BLANKET	410BG	EDJF	EDJ	1
141 CLAMP	410CA	EDJG	EDJ	1
141 JOINT DUCT COVER	410CB	EDJH	EDJ	1
141 BLEED AIR DUCT ASSY	410CC	EDJJ	EDJ	1
141 AFT PYLON DUCT ASSY	410CD	EDJK	EDJ	1
141 FWD PYLON DUCT ASSY	410CE	EDJL	EDJ	1
141 COMPENSATOR DUCT ASSY	410CF	EDJM	EDJ	1
141 FLOW LIN VENTURI DUCT	410CJ	EDJN	EDJ	1
141 COMPENSATOR	410CK	EDJP	EDJ	1
141 INTERNAL-JOINT TIE-ROD	410CL	EDJQ	EDJ	1
141 INSULATION BLANKET	410CM	EDJR	EDJ	1
141 APU BLEED AIR		EDK	EDJ	000000000
141 APU SUPPLY DUCT	410CG	EDKA	EDK	1
141 GROUND BLEED AIR		EDL	EDJ	000000000
141 GND START CONNECTOR DUCT	410CH	EDLA	EDL	1
141 ENGINE BLEED AIR		EDM	EDJ	AAAAAA44A
141 ENGINE TO PYLON CLAMP	410CN	EDMA	EDM	1
141 BLEED AIR CONTROL		EDN	EDJ	AAAAAA44A
141 BLEED AIR SWITCH	410CA	EDNA	EDN	5
141 RELAY	410CB	EDNB	EDN	3
141 SYSTEM SHUT-OFF SWITCH	410CC	EDNC	EDN	A
141 WIRING	410CD	EDND	EDN	1
141 MANIFOLD PRESS IND	410CE	EDNE	EDN	1
141 MANIFOLD PRESS XTMR	410CF	EDNF	EDN	1
141 DUAL PRESSURE INDICATOR	410CG	EDNG	EDN	1
141 PRESSURE XTMR 2EA	410CH	EDNH	EDN	1
141 WINDSHIELD CLEAR ATTENUATOR		EDP	E	010000020
141 COOLING AIR		EEA	DAFB	111111111
141 EQUIPMENT COOLING		EEA	LUKR	111111111
141 EQUIPMENT COOLING		EEA	RUKB	111111111
141 EQUIPMENT COOLING		EEA	LUKE	111111111
141 EQUIPMENT COOLING		EEA	RUKE	111111111
141 EQUIPMENT COOLING		EEA	LUKJ	111111111
141 EQUIPMENT COOLING		EEA	RUKJ	111111111
141 COOLING FAN 2EA	410GA	EEA	EEA	2
141 CONTROL RELAY	410GB	EEA	EEA	3
141 CURRENT SENSING RELAY 2EA	410GC	EEA	EEA	3
141 FLOW CONTROL VALVE	410GD	EEA	EEA	3
141 CHECK VALVE	410GE	EEA	EEA	2
141 DUCT	410GF	EEA	EEA	1
141 COOLING FAN EXIT SLEEVE 2EA	410GG	EEA	EEA	0
141 CLAMP	410GH	EEA	EEA	0
141 WIRING	410GJ	EEA	EEA	1
141 CIRCUIT BREAKER COOLING		EEB	E	000000000
141 ELECTRICAL COOLING FAN 2EA	410GA	EEB	EEB	2
141 CONTROL RELAY	410GB	EEB	EEB	3
141 CURRENT SENSING RELAY 2EA	410GC	EEB	EEB	3
141 DUCT	410GD	EEB	EEB	1
141 WIRING	410GE	EEB	EEB	1
141 EQUIP AIR DIST		EEC	EEA	AAAAA888A

PG0789.JIR1 DATE = 02/04/77

FLIGHT SAFETY PREDICTION TECHNIQUE

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0000000011111111122222222333333334444444555555566666667777777778
1234567890123456789012345678901234567890123456789012345678901234567890
141 EQUIP AIR DIST LFC EFB AAAAAA1AA
141 ANTI-ICING DE-ICING EF F A 000112220
141 WING ANTI-ICING EFA EF 111111111
141 WING ANTI-ICING DIST EFA AAAAAA1AA
141 ANTI-ICE MIX VALVE GEA 41EBA EFB 1
141 TEMP CONTROL SENSOR GEA 41EBB EFB 1
141 EJECTOR 41EBC EFB 1
141 OVERHEAT SWITCH GEA 41EBD EFB 1
141 DUCT 41EBE EFB C
141 DIFFUSER GEA 41EBF EFB 1
141 ELBOW 41EBG EFB 1
141 CLAMP 41EBH EFB 0
141 INSULATION BLANKET 41EBJ EFB 0
141 WIRING 41EBK EFB 1
141 ICE DETECTION EFC 111111111
141 ICE DETECTOR 41EAA EFC 8
141 CONTROL SWITCH 41EAB EFC A
141 WIRING 41EAC EFC 1
141 EMPENNAGE DE-ICING EFD 111111111
141 LEAD EDGE HEATER ASSY GEA 41ECH EFD 1
141 RELAY 41ECC EFD 1
141 THERMO SWITCH 41ECD EFD 1
141 DE-ICING CONTROL EFE 111111111
141 CONTROLLER 41ECA EFE A
141 TEMPERATURE CONTROLLER 41ECE EFE A
141 WIRING 41ECF EFE 1
141 PILOT ACTION EFF FF AAAAAA1AA
141 OVERHEAT DETECTION EFG EF 222222222
141 CONTROL UNIT 49CAA EFGA A
141 SENSING ELEMENT 49CAB EFGA A
141 SWITCH-WING ANTIICE CVHT 49CAC EFGA A
141 RELAY, OVERHEAT CONTROL 49CAD EFGA A
141 RELAY, TEST 49CAE EFGA 1
141 RECTIFIER 49CAF EFGA A
141 CONNECTORS 49CAG EFGA 1
141 INTER CONNECTORS 49CAH EFGA 1
141 TEFLON BUSHINGS 49CAJ EFGA 0
141 WIRING 49CAK EFGA 1
141 DOOR OPEN WARNING EGA DUBA FAAAAA1AA
141 DOOR OPEN WARNING EC I ECA 111111111
141 RAMP NOT LOCKED EGA FGA 000111000
141 LIGHT ASSY WARNING 49EFE EGAA A
141 LIMIT SWITCHES 84C 11EGB EGAA 2
141 BYPASS SWITCH 49EFA EGAA 0
141 RECTIFIER 49EFC EGAA A
141 PETAL DOOR WARNING EGAB 000000000
141 LIGHT ASSY WARNING 49EFE EGAB A
141 LIMIT SWITCHES 84C 11EFA EGAB 2
141 BYPASS SWITCH 49EFA EGAB 0
141 RECTIFIER 49EFC EGAB A

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PG0095.J1R1 DATE = 02/24/75

FLIGHT SAFETY PREDICTION TECHNIQUE

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0000000011111111112222222222333333333344444444445555555555666666666677777777778
12345678901234567890123456789012345678901234567890123456789012345678901234567890
141 PRESSURE DOOR WARNING      EGAC      EGA      000111000
141 LIGHT ASSY WARNING         49EFE   EGACA   EGAC      A
141 LIMIT SWITCHES 42C        11FMA   EGACB   EGAC      2
141 BYPASS SWITCH             49FEA   EGACC   EGAC      0
141 RECTIFIER                 49EFC   EGACD   EGAC      A
141 STAB ACCESS DOOR WARNING   EGAD     EGA      000111000
141 LIGHT ASSY WARNING         49FEF   EGADA   EGAD      A
141 LIMIT SWITCH              11PCN   EGADB   EGAD      A
141 BYPASS SWITCH             49FEA   EGADC   EGAD      0
141 RECTIFIER                 49EFC   EGADD   EGAD      A
141 TROOP DOORS WARNING        LEGAL   EGA      000111000
141 TROOP DOORS WARNING        REGAE   EGA      000111000
141 BYPASS SWITCH             49FEA   LEGAE   EGAE      0
141 BYPASS SWITCH             49FEA   REGAE   EGAE      0
141 RECTIFIER                 49EFC   LEGAE   EGAE      A
141 RECTIFIER                 49EFC   REGAE   EGAE      A
141 LIGHT ASSY WARNING         49EFE   LEGAE   EGAE      A
141 LIGHT ASSY WARNING         49EFE   REGAE   EGAE      A
141 LIMIT SWITCH              11CFT   LEGAE   EGAE      A
141 LIMIT SWITCH              11CRT   REGAE   EGAE      A
141 CREW DOOR WARNING          EGAF     EGA      000111000
141 LIGHT ASSY WARNING         49EFE   EGAF    EGAF      A
141 LIMIT SWITCH              094GA   EGAF    EGAF      A
141 BYPASS SWITCH             49FEA   EGAF    EGAF      0
141 RECTIFIER                 49EFC   EGAF    EGAF      A
141 RESISTOR-DIMMING          49EER   EGAV    EGA      0
141 WIRING                     49EFF   EGAW    EGA      1
141 RELAY DIMMING             49EFD   EGAX    EGA      0
141 MASTER CAUTION LIGHTS2EAK 44E63   EGAY    EGA      1
141 DOOR OPEN ARMOR LIGHT     44ERC   EGAZ    EGA      1
141 FLIGHT CONTROLS           F        AAAAAAAA
141 LIFT AUGMENTATION          FA        F        000000010
141 LEFT FLAPS                 LF4A     FA        AAAAAAAA
141 LEFT FLAPS                 LF4A     FAN       FAAAAAAA
141 RIGHT FLAPS                RF4A     FA        AAAAAAAA
141 RIGHT FLAPS                RF4A     FAN       FAAAAAAA
141 FLAP CARRIAGES 39 EAK     14GAA   LF4AAA   LF4A      2
141 FLAP CARRIAGES 39 EAK     14CAA   RF4AAA   RF4A      2
141 CARRIAGE ROLLER 79 SETSK  14GAB   LF4AAB   LF4A      1
141 CARRIAGE ROLLER 79 SETSK  14GAB   RF4AAB   RF4A      1
141 CARTRIDGE COUNTERBALANCE  14GAC   LF4AAC   LF4A      1
141 CARTRIDGE COUNTERBALANCE  14GAC   RF4AAC   RF4A      1
141 SEAL ASSY                  14GAD   LF4AAD   LF4A      0
141 SEAL ASSY                  14GAD   RF4AAD   RF4A      0
141 FAIR ASSY CARRIAGE        14GAE   LF4AAE   LF4A      0
141 FAIR ASSY CARRIAGE        14GAE   RF4AAE   RF4A      0
141 SKIM                       14GAF   LF4AAF   LF4A      1
141 SKIM                       14GAF   RF4AAF   RF4A      1
141 PANEL LOWER SURFACE       14GAG   LF4AAG   LF4A      1
141 PANEL LOWER SURFACE       14GAG   RF4AAG   RF4A      1

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FLIGHT SAFETY PREDICTION TECHNIQUE

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1234567890123456789012345678901234567890123456789012345678901234567890
141 TRAILING EDGE 146AH LF AAAH LF AA 0
141 TRAILING EDGE 146AM RF AAAH RF AA 0
141 INBOARD SECTION 146AJ LF AA AJ LF A 1
141 INBOARD SECTION 146AJ RF AA AJ RF A 1
141 OUTBOARD SECTION 146AK LF AA AK LF A 1
141 OUTBOARD SECTION 146AK RF AA AK RF A 1
141 LEFT OUTBOARD POSITIONING LF AB LF AA A
141 RIGHT OUTBOARD POSITIONING RF AB RF AA A
141 FLAP ACTUATOR JACKSCREW 2 146BE LF AB BE LF AB A
141 FLAP ACTUATOR JACKSCREW 2 146BI RF AB BE RF AB A
141 YOKE FLAP ACTUATOR 2 146BO LF AB BO LF AB A
141 YOKE FLAP ACTUATOR 2 146BO RF AB BO RF AB A
141 ACTUATOR GEAR BOX 2 9914S LF AB ZA LF AB A
141 ACTUATOR GEAR BOX 2 9914S RF AB ZA RF AB A
141 LEFT INBOARD POSITIONING LF AC LF AA A
141 RIGHT INBOARD POSITIONING RF AC RF AA A
141 FLAP ACTUATOR JACKSCREW 2 146BE LF AC BE LF AC A
141 FLAP ACTUATOR JACKSCREW 2 146BI RF AC BE RF AC A
141 YOKE FLAP ACTUATOR 2 146BO LF AC BO LF AC A
141 YOKE FLAP ACTUATOR 2 146BO RF AC BO RF AC A
141 ACTUATOR GEAR BOX 2 9914S LF AC ZA LF AC A
141 ACTUATOR GEAR BOX 2 9914S RF AC ZA RF AC A
141 TORQUE DRIVE FAD FA SAAAAAAAAA
141 TORQUE DRIVE FAD LF AB FAAAAAAAAA
141 TORQUE DRIVE FAD RF AB FAAAAAAAAA
141 TORQUE DRIVE FAD LF AC FAAAAAAAAA
141 TORQUE DRIVE FAD RF AC FAAAAAAAAA
141 LEFT WING TORQUE TUBES 146BL LF AB BD FAD A
141 RIGHT WING TORQUE TUBES 146BD RF AB BD FAD A
141 UNIVERSAL COUPLING 146BH FAD BH FAD A
141 BEARING ASSY 146BJ FAD BJ FAD 1
141 ADAPTER ASSY 146BK FAD BK FAD 1
141 GEAR BOX DRIVE ASSY 146BL FAD BL FAD A
141 TORQUE TUBE DRIVER NO.1 FAE FAD 11111111
141 SHAFT-OUTPUT 146BM FAE BM FAE A
141 HYDRAULIC MOTOR 146CB FAE CB FAE A
141 FLOW REGULATOR 146CF FAE CF FAE 1
141 TORQUE TUBE DRIVER NO.2 FAF FAD 11111111
141 SHAFT-OUTPUT 146BM FAF BM FAF A
141 HYDRAULIC MOTOR 146CB FAF CB FAF A
141 FLOW REGULATOR 146CF FAF CF FAF 1
141 SERVO POSITIONING FAG FAD SAAAAAAAAA
141 SERVO POSITIONING FAG FAE FAAAAAAAAA
141 SERVO POSITIONING FAG FAF FAAAAAAAAA
141 PRESSURE SEAL ASSY 146BG FAG BG FAG 1
141 FLAP GEAR BOX, MOTOR CNTRL 146CA FAG CA FAG R
141 VALVE, MOTOR CONTROL 146CC FAG CC FAG A
141 VALVE, MANUAL SHUTOFF 146CE FAG CE FAG 1
141 PLUMBING 146CG FAG CG FAG 1
141 MOTION TRANSMISSION FAH FAG 99999999

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FLIGHT SAFETY PREDICTION TECHNIQUE

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0000000011111111112222222222333333333344444444445555555555666666666677777777778
1234567890123456789012345678901234567890123456789012345678901234567890
141 CABLE 14000 FAH00 FAH A
141 INPUT MANUANT 14000 FAH00 FAH A
141 PULLY 14000 FAH00 FAH A
141 TENSION REGULATOR 14000 FAH00 FAH A
141 MOTION INITIATE 14000 FAJ A AAAAAAAAAA
141 FLAP CONTROL HANDLE 14000 FAJ00 FAJ A
141 LEVER INPUT 14000 FAJ00 FAJ A
141 SERVO CENTERING 14000 FAK K FAH AAAAAAAAAA
141 BROKEN CABLE DETECTION 14000 FAL FAK AAAAAAAAAA
141 DETECTOR, SPRING LEAD 9914T FALZB FAL A
141 CABLE DETECTION SWITCH 9914U FALZC FAL A
141 FLAP POSITION TRANSMIT 14000 FAN QDVG FAAAAAAAAA
141 FLAPS POSITION TRANSMIT 14000 FAN FAR AAAAAAAAAA
141 FLAPS POSITION TRANSMIT 14000 FAN FAR AAAAAAAAAA
141 FLAP POSIT TRANSMIT 14000 FAN FGT FAAAAAAAAA
141 FLAPS POSITION TRANSMIT 14000 FAN FKC FAAAAAAAAA
141 FLAPS POSITION TRANSMIT 14000 FAN FTP FAAAAAAAAA
141 WIRING 14000 FAN FAN 1
141 ASYMETRY BRAKING 14000 FAP K FAJ AAAAAAAAAA
141 VALVE, ASYMETRY SHUTOFF 14000 FAP00 FAP A
141 RELAY, BRAKE RELEASE LEFT 14000 LEAPDE FAP 0
141 RELAY, BRAKE RELEASE RIGHT 14000 REAPDE FAP 0
141 LEFT ASYMETRY BRAKE ASSY 14000 LEAPDM FAP A
141 RIGHT ASYMETRY BRAKE ASSY 14000 REAPDM FAP A
141 ASYMETRY WARNING 14000 FAJ I FAJ 555555555
141 ASYMETRY LIGHT 14000 FAK00 FAJ A
141 FLAP ASYMETRY 14000 FAR CRY FAAAAAAAAA
141 ASYMETRY SENS AND TEST 14000 FAR FAP AAAAAAAAAA
141 ASYMETRY SENS AND TEST 14000 FAR FAJ FAAAAAAAAA
141 CHAIN ASSY 14000 FARHP FAR A
141 ASYMETRY DETECTOR ASSY 14000 FARDA FAR A
141 TEST PANEL, ASYMETRY BRAKE 14000 FARON FAR 0
141 SYNCHRO DETECTOR 14000 FARDC FAR A
141 SWITCH, ASYMETRY TEST 14000 FARDS FAR 0
141 SWITCH, ASYMETRY RESET 14000 FARON FAR 0
141 SWITCH, DEFEAT 14000 FARDJ FAR 0
141 AMP COMPUTER 14000 FARLL FAR A
141 WIRING 14000 FARLN FAR 1
141 FLAP POSIT INDICATE 14000 FAS K FAJ 111111111
141 INDICATOR 14000 FASEA FAS A
141 POSITION TRANSMITTERS 4EA 14000 FASEB FAR A
141 POSITION TRANSMITTERS 4EA 14000 FASEB FAS A
141 FLAP POSIT TRANSMIT 4EA 14000 FASEB FGT A
141 YAW CONTROL 14000 FC F 010000030
141 RUDDER ASSEMBLY 14000 FCA FC AAAAAAAAAA
141 SKIN 14000 FCAA FCA 1
141 DOWEL 14000 FCAAB FCA 1
141 TRAILING EDGE HONEYCOMB 14000 FCAAC FCA 1
141 ATTACHMENTS 14000 FCAAU FCA 1
141 RIS 14000 FCAAE FCA 1

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FLIGHT SAFETY PREDICTION TECHNIQUE

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12345678901234567890123456789012345678901234567890123456789012345678901234567890
141FORMERS 140AG FCCAG FCA 1
141ACCESS DOOR 140AJ FCCAJ FCA 1
141TRAILING EDGE FIBRE GLASS 140AM FCCAM FCA 1
141HINGE PLATE 140AN FCCAN FCA 1
141HINGE PLATE PIN 140AP FCCAP FCA 1
141RUDDER POSITIONING FCH FCCA AAAAAAAAAA
141MANUAL MODE FCCB K FCC AAAAAAAAAA
141HINGE 14CAF FCCAF FCB 1
141TORQUE TUBE 14CAH FCCAH FCB A
141BEARING 14CAK FCCAK FCB 1
141BEARING RETAINER 14CAL FCCAL FCH 1
141HYDRAULIC ACTUATION FCC FCCA 111111111
141HYDRAULIC ACTUATION FCCC FCB FAAAAA
141POWER CONTROL SYSTEM NO.1 FCCA FCC 111111111
141POWER CONTROL SYS NO.1 FCCA FCCC FAAAAA
141SYSTEM 1 SHUTOFF VALVE 14CCF FCCCF FCCA A
141SYSTEM 1 VALVE,PRESS LIMIT 14CCG FCCCG FCCA 1
141SYSTEM 1 FILTER 14CCH FCCCH FCCA 1
141SYSTEM 1 FILTER ELEMENT 14CCJ FCCCJ FCCA 1
141SYSTEM 1 BY-PASS VALVE 14CCK FCCCK FCCA A
141HYD SYSTEM NO.1 PLUMBING 14CCN FCCCN FCCA 1
141RELAY PRESSURE LIMIT SYS 1 14CLA FCCDA FCCA 1
141SYSTEM 1 ELEC WIRING 14CLE FCCDE FCCA 1
141SYSTEM 1 ACTUATOR,LINEAR 14CDF FCCDF FCCA A
141POWER CONTROL SYSTEM NO.2 FCC FCC 111111111
141POWER CONTROL SYS NO.2 FCCB FCCD FAAAAA
141SYSTEM 2 SHUTOFF VALVE 14CCF FCCCF FCCB A
141SYSTEM 2 VALVE,PRESS LIMIT 14CCG FCCCG FCCB 1
141SYSTEM 2 FILTER 14CCH FCCCH FCCB 1
141SYSTEM 2 FILTER ELEMENT 14CCJ FCCCJ FCCB 1
141SYSTEM 2 BY-PASS VALVE 14CCK FCCCK FCCB A
141HYD SYSTEM NO.2 PLUMBING 14CCN FCCCN FCCB 1
141RELAY PRESSURE LIMIT SYS 2 14CLA FCCDA FCCB 1
141SYSTEM 2 ELEC WIRING 14CLE FCCDE FCCB 1
141SYSTEM 2 ACTUATOR,LINEAR 14CDF FCCDF FCCB A
141RUDDER SYSTEM 1 PWR IND FCC FCL 111111111
141POWER UNIT ASSY 14CCA FCCCA FCC 8
141POWER UNIT CYLINDER 14CCB FCCCB FCC A
141CONTROL UNIT 44FRA FCCCHA FCCC 1
141LIGHT ASSY MASTER CAUTION 44DBR FCCCBR FCCC 1
141PWR LIGHT 44DBC FCCCB C FCCC 1
141POWER UNIT CONTROL VALVE 14CCC FCCCC FCC A
141PRESSURE SWITCH SYS 1 14CCB FCCCB FCCC A
141RECTIFIER,SYSTEM 1 14CDC FCCDC FCCC 1
141CLAMPS 14CCE FCCCE FCC 1
141OFF LIGHT 9914G FCCCG FCCC 1
141EMERGENCY PWR UNIT CYLINDER 14CCL FCCCL FCC 0
141RUDDER SYSTEM 2 PWR IND FCC FCL 111111111
141CONTROL UNIT 44FRA FCCDBA FCCD 1
141LIGHT ASSY MASTER CAUTION 44DBR FCCDBB FCCD 1

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FLIGHT SAFETY PREDICTION TECHNIQUE

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000000001111111111222222222222333333333344444444445555555555666666666677777777778
12345678901234567890123456789012345678901234567890123456789012345678901234567890
141 PARK LIGHT 44BEC FCCDRC FCCD 1
141 PRESSURE SWITCH SYS 2 14CDB FCCDDB FCCD A
141 RECTIFIER, SYSTEM 2 14CDB FCCDDB FCCD 1
141 OFF LIGHT 9914G FCCDGG FCCD 1
141 RUDDER OVERPRESSURE 44BBA FCCBBA FCCB 1111111111
141 CONTROL UNIT 44BBA FCCBBA FCCB 1
141 LIGHT ASSY MASTER CAUTION 44BBA FCCBBA FCCB 1
141 INDICATOR LIGHT 44BEC FCCBEC FCCB A
141 HIGH PRESSURE LIGHT 9914G FCCBGG FCCB 1
141 HIGH PRESSURE LIGHT 9914G FCCBGA FCCB 1
141 HYDRAULIC FLOW CONTROL FCCD FCCD AAAAAAAAAA
141 NORMAL MODE FCCD FCCD 0100000000
141 SERVO CONTROL SWITCH 9914R FCCDAR FCCD A
141 DAMPER 14CDB FCCDDB FCCD 1
141 MOTION TRANSMISSION FCCB FCCB SAAAAAAAAA
141 MOTION TRANSMISSION FCCB FCCB FAAAAAAAAA
141 MOTION TRANSMISSION FCCB FCCB FAAAAAAAAA
141 MOTION TRANSMISSION FCCB FCCB FAAAAAAAAA
141 RUDDER PEDAL LINKAGE 2 EACH 14CDB FCCBDB FCCB 1
141 TENSION REGULATOR 2 EACH 14CDB FCCBDB FCCB 1
141 PUSH ROD TENSION REGULATOR 2 EACH 14CDB FCCBDB FCCB 1
141 INPUT QUADRANT ASSY 14CDB FCCBDB FCCB A
141 PUSH ROD 14CDB FCCBDB FCCB A
141 LEFT SIDE RUDDER CABLE RLA 14CDB FCCBDB FCCB 1
141 LEFT SIDE RUDDER CABLE RLB 14CDB FCCBDB FCCB 1
141 RIGHT SIDE RUDDER CABLE RRA 14CDB FCCBDB FCCB 1
141 RIGHT SIDE RUDDER CABLE RRB 14CDB FCCBDB FCCB 1
141 PULLEYS 04 14CDB FCCBDB FCCB 1
141 FAIRLEAD ROLLER ASSY 14CDB FCCBDB FCCB 0
141 END BEARING 14CDB FCCBDB FCCB 1
141 CABLE LOCK CLAD 14CDB FCCBDB FCCB 1
141 RUDDER TRIM FCCF FCCF 0000000000
141 RUDDER TRIM FCCF FCCF FAAAAAAAAA
141 TRIM ACTUATOR 14DAA FCCFAA FCCF A
141 CONTROL SWITCH 14DAB FCCFAB FCCF A
141 CIRCUIT BREAKER 14DAC FCCFAC FCCF A
141 WIRING, RUDDER TRIM 14DAO FCCFAO FCCF 1
141 MOTION INITIATE FCCG FCCG AAAAAAAAAA
141 PEDAL ASSY, RUDDER 2 EACH 14CHA FCCCHA FCCG 1
141 CRANK ASSY, PEDAL ADJ 14CBH FCCGBH FCCG 0
141 SCREW ASSY, PEDAL ADJ 14CBM FCCGBM FCCG 0
141 CHAIN ASSY, RUDDER 14CBN FCCGBN FCCG 0
141 TORQUE TUBE, PEDAL ADJUST 14CRP FCCGRP FCCG 0
141 TRIM POSITION INDICATE FCCH FCCF 1111111111
141 INDICATOR 14DFA FCCHFA FCCH A
141 FEEL FORCE FCJ FCCG 1111111111
141 SPRING, ARTIFICIAL FEEL 14CBE FCJBE FCJ A
141 PILOT ACTION FCL FCCBA AAAAAAAAAA
141 LOAD CONTROL FCM FCC 1111111111
141 LOAD LIMIT CONTROL VLV 2EA 14CCM FCMCM FCM 8

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FLIGHT SAFETY PREDICTION TECHNIQUE

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FLIGHT SAFETY PREDICTION TECHNIQUE

C0C0C0C0C0111111111222222222333333333444444444555555555666666666777777777778		4567890123456789012345678901234567890	
141 ACCUMULATOR	14ECK	EDFCK	EDF
141 SYSTEM 1 ACTUATOR	9914B	EDFCB	EDF
141 SYSTEM 1 PRESSURE SWITCH	14EDD	EDFDD	EDF
141 SYSTEM 1 WIRING	14EDL	EDFDL	EDF
141 SYSTEM 1 SO/SP ACTUATOR	9914A	EDFDM	EDF
141 SYSTEM 2 POWER CONTROL		FDG	FDG
141 SYSTEM 2 POWER CONTROL		FDG	FDG
141 SYSTEM 2 POWER CONTROL		FDG	FDGA
141 ELEVATOR SYS 2 PWR		FDGA	FDPC
141 CONTROL UNIT	44EPA	FDGABA	FDGA
141 LIGHT ASSY MASTER CAUTION	44EB3	FDGAB3	FDGA
141 INDICATOR LIGHT ANNUN	44EBG	FDGABG	FDGA
141 OVERHEAD CONTROL FLT PANEL	9914G	FDGABD	FDGA
141 POWER UNIT ASSEMBLY	14ECA	FDGCA	FDG
141 POWER UNIT CYLINDER	14ECB	FDGCB	FDG
141 POWER UNIT CONTROL VLV	14ECG	FDGCC	FDG
141 DAMPER	14ECD	FDGCD	FDG
141 SYSTEM 2 SHUTOFF VALVE	14ECE	FDGCE	FDG
141 SYSTEM 2 FILTER	14ECF	FDGCF	FDG
141 SYSTEM 2 FILTER ELEMENT	14ECG	FDGCG	FDG
141 SYSTEM 2 BYPASS VALVE	14ECH	FDGCH	FDG
141 SYSTEM 2 PLUMBING	14ECJ	FDGCJ	FDG
141 ACCUMULATOR	14ECK	FDGCK	FDG
141 SYSTEM 2 ACTUATOR	9914B	FDGCB	FDG
141 SYSTEM 2 PRESSURE SWITCH	14EDD	FDGDD	FDG
141 SYSTEM 2 WIRING	14EDL	FDGDL	FDG
141 SYSTEM 2 SO/SP ACTUATOR	9914A	FDGDN	FDG
141 SYSTEM 3 POWER CONTROL		FDH	K FDC
141 SYSTEM 3 POWER CONTROL		FDH	FAAAAAA
141 SYSTEM 3 POWER CONTROL		FDH	11111111
141 SYSTEM 3 POWER CONTROL		FDH	11111111
141 ELEVATOR EMERGENCY PWR IND		FDHA	FAAAAAA
141 CONTROL UNIT	44EPA	FDHABA	11111111
141 LIGHT ASSY MASTER CAUTION	44EB3	FDHAB3	1
141 INDICATOR LIGHT ANNUN	44EBG	FDHABG	1
141 OVERHEAD CONTROL FLT PANEL	9914G	FDHABD	1
141 SYSTEM 3 CONTROL VALVE	14ECG	FDHCC	A
141 SYSTEM 3 SHUTOFF VALVE	14ECE	FDHCE	A
141 SYSTEM 3 FILTER	14ECF	FDHCF	2
141 SYSTEM 3 FILTER ELEMENT	14ECG	FDHCG	2
141 SYSTEM 3 BYPASS VALVE	14ECH	FDHCH	A
141 RELAY, NO. 3 SYSTEM PUMP REL	14EDC	FDHCP	A
141 SYSTEM 3 SO/SP ACTUATOR	9914A	FDHDP	4
141 ELEVATOR POSITIONING		FDK	AAAAA
141 ELEVATOR POSITIONING		FDK	FAAAAAA
141 PULLEY	14EBJ	FDKBJ	A
141 INPUT QUADRANT ASSY	14EPF	FDKBF	A
141 IDLER LINK	14EBG	FDKBG	A
141 FAIRLEAD ROLLER ASSY	14EBH	FDKBH	A
141 PUSHROD QUADRANT OUTPUT	14EHL	FDKBL	2

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00000000011111111122222222333333333344444444455555555566666666677777777778
12345678901234567890123456789012345678901234567890123456789012345678901234567890
141 PUSHROD POWER UNIT INPUT 14EAM FOKAM FOK 2
141 BEARING ROD END 14EBQ FOKBO FOK A
141 CABLE LOCKCLAD 14EBR FOKBR FOK 5
141 CENTERING CAM 9914D FOKZA FOK A
141 CENTERING SPRING MECHANISM 9914E FOKZH FOK A
141 CENTERING SPRING LEVER 9914F FOKZC FOK A
141 MOTION TRANSMISSION FUL FOK AAAAAAAAAA
141 TENSION REGULATOR 14EBH FOLHB FOL A
141 CABLE ELA 14EBI FOLBC FOL 5
141 CABLE ELB 14EBJ FOLBCA FOL 5
141 CABLE ELA 14EBK FOLBCB FOL 5
141 CABLE ELB 14EBL FOLBCC FOL 5
141 PUSHROD INTERCONNECT 14EBM FOLBK FOL 2
141 BEARING ROD END 14EBN FOLBO FOL A
141 MOTION INITIATE FOM FOL AAAAAAAAAA
141 CONTROL COLUMN 25A 14EBA FOMBA FOM 1
141 PUSHROD COLUMN 14EBJ FOMAJ FOM 2
141 FOOT CONTROL COLUMN 14EBN FOMBN FOM 0
141 COVER CONTROL COLUMN HEAD 14EBP FOMBP FOM 0
141 ARTIFICIAL FEEL FORCE FDN FOM 111111111
141 ARTIFICIAL FEEL FORCE FDN FOM F111111111
141 ELEVATOR FEEL MALFUNCTION FDN FOM I FDN 111111111
141 CONTROL UNIT 44EBA FDNABA FDN 1
141 LIGHT ASSY MASTER CAUTION 44EBB FDNABB FDN 1
141 SPRING, ARTIFICIAL FEEL 14EBE FDNABE FDN A
141 ARTIFICIAL FEEL ACTUATOR 14EBF FDNADA FDN 3
141 CONTROLLER 14EBG FDNADe FDN 3
141 SWITCH, FEEL SELECTOR 14EBH FDNADf FDN 3
141 RECTIFIER 14EBI FDNADG FDN 3
141 RELAY, FEEL RELEASE 14EBJ FDNADH FDN 3
141 ARTIFICIAL FEEL COMPARATOR 14EBK FDNADJ FDN 3
141 PITCH RATE ADAPTER 14EBL FDNADK FDN 3
141 ELEVATOR FEEL MALFUNCT LT 44EBC FDNADX FDN A
141 PILOT ACTION FOPA FOM 333333333
141 PILOT ACTION FDPB FOF 111111111
141 PILOT ACTION FDPD FOD 111111111
141 PILOT ACTION FDPD FOD 000000000
141 PILOT ACTION FDPD FOD AAAAAAAAAA
141 FULL CONTROL FE F OAAAAAAAAA
141 LEFT AILERON LFEA FE 012111130
141 RIGHT AILERON RFEA FE 012111130
141 AILERON ASSEMBLY 14AAO LFEAA LFEA 0
141 AILERON ASSEMBLY 14AAO RFEAA RFEA 0
141 TIP ASSEMBLY 14AAA LFEAAA LFEA 1
141 TIP ASSEMBLY 14AAA RFEAAA RFEA 1
141 TRAILING EDGE HONEYCOMB 14AAB LFEAAB LFEA 1
141 TRAILING EDGE HONEYCOMB 14AAB RFEAAB RFEA 1
141 ACCESS DOOR 14AAC LFEAAC LFEA 0
141 ACCESS DOOR 14AAC RFEAAC RFEA 0
141 COUNTER WEIGHT ASSY 14AAD LFEAAD LFEA 1

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0000000001111111111122222222223333333333334444444444555555555566666666667777777777	123456789012345678901234567890123456789012345678	45678901234567890123456789012345678901234567890
141COUNTER WEIGHT ASSY	14AAD RFEAAD	RFEA 1
141SEAL, AERODYNAMIC	14AAE LFEAAE	LFEA 1
141SEAL, AERODYNAMIC	14AAE RFEAAE	RFEA 1
141SKIN	14AAF LFEAAF	LFEA 1
141SKIN	14AAF RFEAAF	RFEA 1
141HINGE *9 EACH	14AAS 14AAG LFEAAG	LFEA 1
141HINGE *9 EACH	14AAS 14AAG RFEAAG	RFEA 1
141DOUBLER	14AAH LFEAAH	LFEA 1
141DOUBLER	14AAH RFEAAH	RFEA 1
141FORMER	14AAJ LFEAAJ	LFEA 1
141FORMER	14AAJ RFEAAJ	RFEA 1
141RIB	14AAK LFEAAK	LFEA 1
141RIB	14AAK RFEAAK	RFEA 1
141BEARING	14AAL LFEAAL	LFEA 1
141BEARING	14AAL RFEAAL	RFEA 1
141BUSHING	14AAM LFEAAM	LFEA 1
141BUSHING	14AAM RFEAAM	RFEA 1
141LEADING EDGE P/N 3W34450-101	14AAN LFEAAN	LFEA 1
141LEADING EDGE P/N 3W34450-101	14AAN RFEAAN	RFEA 1
141LEADING EDGE P/N 3W34454-101	14AAQ LFEAAQ	LFEA 1
141LEADING EDGE P/N 3W34454-102	14AAQ RFEAAQ	RFEA 1
141LEADING EDGE OUTBOARD	14AAK LFEAAK	LFEA 1
141LEADING EDGE OUTBOARD	14AAK RFEAAK	RFEA 1
141TRAILING EDGE, FIBER GLASS	14AAS LFEAAS	LFEA 1
141TRAILING EDGE, FIBER GLASS	14AAS RFEAAS	RFEA 1
141HINGES	14AAG 14AAS LFEAAS	LFEA 1
141HINGES	14AAG 14AAS RFEAAS	RFEA 1
141CLAMPS	14ACF LFEACF	LFEA 1
141CLAMPS	14ACF RFEACF	RFEA 1
141HINGE PLATES	14ACN LFEACN	LFEA 1
141HINGE PLATES	14ACN RFEACN	RFEA 1
141HINGE PLATE PINS	14ACP LFEACP	LFEA 1
141HINGE PLATE PINS	14ACP RFEACP	RFEA 1
141LEFT AILERON ACTUATION	LFEH	LFEA AAAAAAAAAA
141RIGHT AILERON ACTUATION	RFEH	RFEA AAAAAAAAAA
141AILERON CONTROL	FEC	FE SAAAAAAAAA
141AILERON CONTROL	FEC	LFECA FAAAAAAAAA
141AILERON CONTROL	FEC	RFECA FAAAAAAAAA
141LEFT AILERON POSITIONING	LFECA	LFEH AAAAAAAAAA
141RIGHT AILERON POSITIONING	RFECA	RFEH AAAAAAAAAA
141INPUT QUAD AILERON PWR UNIT	14ABA LFECAHA	LFECA A
141INPUT QUAD AILERON PWR UNIT	14ABA RFECAHA	RFECA A
141BELL CRANK	14ABC LFECAHC	LFECA A
141BELL CRANK	14ABC RFECAHC	RFECA A
141FAIRLEAD ROLLERS	14ABN LFECABN	LFECA A
141FAIRLEAD ROLLERS	14ABN RFECABN	RFECA A
141BEARINGS	14ABP LFECABP	LFECA 1
141BEARINGS	14ABP RFECABP	RFECA 1
141PUSH-ROD INNER CONNECT	14ABQ LFECABQ	LFECA A
141PUSH-ROD INNER CONNECT	14ABQ RFECABQ	RFECA A

FLIGHT SAFETY PREDICTION TECHNIQUE

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FLIGHT SAFETY PREDICTION TECHNIQUE

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PGG95.JIP1 DATE = 02/04/76

FLIGHT SAFETY PREDICTION TECHNIQUE

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1234567890123456789012345678901234567890123456789012345678901234567890
141PRESSURE SWITCH SYS 2      14A00  LFF0DA  LFED  A
141PRESSURE SWITCH SYS 2      14A0A  RFF0DA  RFEED  A
141RECTIFIER SYS 2           14A0B  RFF0DB  RFEED  1
141 INDICATOR LIGHT,L-PWR OFF 9914G  LFF0DG  LFED  1
141 INDICATOR LIGHT R-PWR OFF 9914G  RFF0DG  RFEED  1
141LEFT SERVO TAB OPERATION    LFF  LFED  AAAAAA
141RIGHT SERVO TAB OPERATION   RFF  RFEED  AAAAAA
141AILERON SERVO TAB ASSY      14BA0  LFFBA  LFEB  1
141AILERON SERVO TAB ASSY      14BAQ  RFFBA  RFEF  1
141OVERIDE SPRING              14BAA  LFFBAA  LFEB  1
141OVERIDE SPRING              14BAF  RFFBAA  RFEF  1
141COUNTERWEIGHT ASSY          14BAB  LFFBAB  LFEB  1
141COUNTERWEIGHT ASSY          14BAB  RFFBAB  RFEF  1
141SEAL AERODYNAMIC            14BAC  LFFBAC  LFEB  0
141SEAL AERODYNAMIC            14BAC  RFFBAC  RFEF  0
141BEARING ROD END             14BBA  LFFBBA  LFEB  1
141BEARING ROD END             14BBA  RFFBBA  RFEF  1
141LINKAGE,SERVO TAB           14BBB  LFFBBB  LFEB  A
141LINKAGE,SERVO TAB           14BBB  RFFBBB  RFEF  A
141HINGE,SERVO TAB 5 EACH      14BBC  LFFBBC  LFEB  1
141HINGE,SERVO TAB 5 EACH      14BBC  RFFBBC  RFEF  1
141SWITCH,LOCKOUT CONTROL      14BCC  LFFBCC  LFEB  A
141SWITCH,LOCKOUT CONTROL      14BCC  RFFBCC  RFEF  A
141SWITCH,TAB POSITION          14BCD  LFFBCD  LFEB  A
141SWITCH,TAB POSITION          14BCD  RFFBCD  RFEF  A
141SOLENOID VALVE,TAB LOCKOUT 14BCE  LFFBCE  LFEB  A
141SOLENOID VALVE,TAB LOCKOUT 14BCE  RFFBCE  RFEF  A
141WIRING,LEFT TAB ELECTRICAL 14BCF  LFFBCF  LFEB  1
141WIRING,RIGHT TAB ELECTRICAL 14BCF  RFFBCF  RFEF  1
141CYL ASY TAB LOCK OUT        14ACL  LFFACL  LFEB  A
141CYL ASY TAB LOCK OUT        14ACL  RFFACL  RFEF  A
141LEFT TAB DAMPING            LFEG  LFEB  11111111
141RIGHT TAB DAMPING           RFEG  RFEF  11111111
141DAMPER                       14ACE  LFEGCE  LFEG  A
141DAMPER                       14ACE  RFEGCE  RFEG  A
141MOTION TRANSMISSION         FEH  FFC  AAAAAA
141CONTROL WHEEL INPUTS        FEHA  FEH  0A999999
141CONTROL WHEEL 2 EACH        14ABF  FEHABF  FEHA  1
141COVER WHEEL                  14ABG  FEHABG  FEHA  0
141TENSION REGULATOR 2 EACH  14ABH  FEHABH  FEHA  1
141CONTROL COLUMN CABLES 2 EACH 14ABH  FEHABP  FEHA  1
141TRIMMING INPUT              FEHC  FEHE  AAAAAA
141TRIMMING INPUT              FEHC  FJAZZ  11111111
141TRIM ACTUATOR               14ECA  FEHCCA  FEHC  A
141SWITCH,CONTROL AILERON TRIM 14ECB  FEHCCB  FEHC  A
141FEEL FORCE                    FEHD  FEHA  11111111
141SPRING,ARTIFICIAL FEEL      14ABE  FEHDBE  FEHD  A
141TRIM INDICATE               FEHF  FEHC  11111111
141INDICATOR                   14ECA  FEHEDA  FEHE  A
141TRANSMITTER                 14EDH  FEHEDH  FEHE  A

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FLIGHT SAFETY PREDICTION TECHNIQUE

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PGG95.JIRI DATE = 02/04/75

FLIGHT SAFETY PREDICTION TECHNIQUE

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1234567890123456789012345678901234567890123456789012345678901234567890
141SYSTEM 2 FLOW LIMIT VALVE 9814F FFLXN FFD 2
141SYS 3 IN-FLT HP/SO VLV 9814F FFLXR FFD 2
141SYSTEM 2 IN-FLT PILOT VLV 9814L FFLXS FFD 2
141SYSTEM 2 HP/SO VLV 9814E FFOXT FFD 2
141SYS 2 SHUTOFF PILOT VLV 9814G FFDXU FFD 2
141SYS 2 DIFF PRESSURE IND 9814K FFDXV FFD 2
141CENTRAL POSITIONING FFC FFD AAAAAA44A
141LEFT SPOILER WING CABLES 14FCB FFCGB FFG A
141CENTER DRIVE QUADRANT 14FCN FFCGN FFG A
141ACTION TRANSMISSION FFH FFG AAAAAA44A
141SPOILER CABLE SERVO ACTUATOR 14FCA FFHAA FFH A
141SPOILER SYSTEM INPUT CABLES 14FCB FFHCS FFH A
141CABLE SERVO OUTPUT QUADRANT 14FCM FFHCM FFH A
141SPOILER INPUT RETURN SPINGS 14FCP FFHCP FFH A
141SPOILER CONTROL FFJ FFH AAAAAA44A
141SPOILER LEVER LOCK SOLENOID 14HBB FFJBB FFJ A
141SOLENOID ACTUATOR, HYDRAULIC 14HBC FFJBC FFJ A
141SOLENOID CABLE SERVO 14HBD FFJBD FFJ A
141RTC AUTO SPOILER ARM SW 14HBM FFJBM FFJ A
141SPOILER SELECT SWITCH 9814M FFJXM FFJ 1
141SPOILER ARMING FFK FFJ AAAAAA44A
141SPOILER ARMING FFK FFP AAAAAA44A
141SPOILER ARMING FFK FFS AAAAAA44A
141SWITCH, HANDLE OPERATED 14HBB FFKBB FFK A
141SWITCH-AUTO SPOILER ARM 14HBL FFKBL FFK A
141SPOILER CONTROL LEVER 14HCL FFKCL FFK 1
141 AUTOMATIC CONTROL FFL FFL FFM 000000000
141 RTD MODE FFLA FFL 000000000
141 RTD MODE FFLA FFR AAAAAA44A
141 RTD MODE FFLA FFS AAAAAA44A
141 THROTTLE AUTO-DEPLOY MECH 14HCC FFLACC FFLA A
141 AUTO-LAND MODE FFLB FFL 000000000
141 AUTO-LAND MODE FFLB FFR 000000000
141 AUTO-LAND MODE FFLB FFS 000000000
141 WHEEL ROTATION DETECTION FFLC FFLB AAAAAA44A
141 WHEEL ROT DET FFLC FFL 000000000
141 SPOILER CONTROL FFLC GBD AAAAAA44A
141 TOUCHDOWN CONTROL BOX 14HBN FFLCBN FFLC A
141 CRT PFD TO CONTROL BOX 14HBP FFLCBP FFLC A
141 MANUAL CONTROL FFM FFL K FFL AAAAAA44A
141 MANUAL LANDING MODE FFM FFM 000000000
141 MANUAL LANDING MODE FFM FFR 000000000
141 FLIGHT MODE FFM FFM 000000000
141 FLIGHT MODE FFM FFP 000000000
141 SPOILER CONTROL LOCK OVRD FFM FFM AAAAAA44A
141 PILOT ACTION 50 LB FORCE FFNA FFM 000000000
141 SPOILER CONTROL HANDLE 14HCL FFNACL FFNA A
141 FLAPS-UP SENSED FFNB FFM 001111100
141 SWITCH, INTERLOCK 14HBE FFNBFE FFNB A
141 FLAP UP SWITCH 14GDD FFNBDD FFNB A

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1234567890123456789012345678901234567890123456789012345678901234567890
141 COMPUTER, STALL WARNING 2FA 14JBA FGFBA FGF 1
141 MODULE 2FA 14JBL FGFBL FGF 1
141 STALL WARNING INDICATE FGG 111111111
141 STALL WARNING INDICATE FGG FGU 111111111
141 PRE-STALL ACTION FGH FFQ AAAAAAAAAA
141 PRE-STALL ACTION FGH FLC AAAAAAAAAA
141 ANGLE OF ATTACK FGJ CBR FAAAAAAAAA
141 ANGLE OF ATTACK FGJ FGF AAAAAAAAAA
141 TRANSDUCER 2 FA 14JBC FGJBC FGF 1
141 ANGLE OF ATTACK DE-ICE FGK FGJ A AAAAAAAAAA
141 ANGLE OF ATTACK DE-ICE FGK FGS FAAAAAAAAA
141 SWITCH, DE ICE 2 FA 14JBG FGKRG FGK 1
141 RELAY, HEATER CONTROL 2FA 14JBH FGKRH FGK 1
141 EMERGENCY ON-OFF FGL FGF AAAAAAAAAA
141 EMERGENCY ON-OFF FGL FGN FAAAAAAAAA
141 EMERGENCY SWITCH 2FA 9814R FGLXR FGL 1
141 CONTROL FGM FGL AAAAAAAAAA
141 CONTROL FGM FGP FAAAAAAAAA
141 STALL PREVENTION SW 2FA 14JBD FGNBD FGM 1
141 STALL SYSTEM INDICATE FGN FGQ 111111111
141 CONTROL UNIT 448BA FGNBA FGN 1
141 LIGHT ASSY MASTER CAUTION 448BB FGNBB FGN 1
141 INDICATOR LIGHT 2FA 448BC FGNBC FGN 1
141 PUSHER OFF FGP FGJ 111111111
141 CONTROL UNIT 448BA FGPBA FGP 1
141 LIGHT ASSY MASTER CAUTION 448BB FGPRB FGP 1
141 INDICATOR LIGHT 448BC FGPRC FGP 1
141 PILOT ACTION FGO FGM AAAAAAAAAA
141 HEATER, DEFAULT INDICATE FGS FGO I FGK 111111111
141 WIRING 14JBE FGSBE FGS 1
141 LIGHT, HTR FAULTED 2FA 14JBJ FGSBJ FGS 1
141 FLAPS POSITION INPUT FGT FGF AAAAAAAAAA
141 MANUAL STALL PREVENTION FGU FGV FGB 111111111
141 STALL PREVENTION FGV FGX 111111111
141 PANEL ASSY 14JAB 14JAA FGVAA FGV 1
141 PANEL ASSY 14JAB 14JAB FGVAB FGV 1
141 PANEL ASSY 14JAD 14JAC FGVAC FGV 1
141 PANEL ASSY 14JAC 14JAD FGVAD FGV 1
141 BRACKET ASSY 14JAE FGVAE FGV 0
141 BRACKET ASSY 14JAF FGVAF FGV 0
141 BRACKET 14JAG FGVAG FGV 0
141 BRACKET 14JAH FGVAH FGV 0
141 WIRING 14JBE FGVBE FGV 1
141 STALL PREVENTION ATTN FGX FDM 073111130
141 AFCS/YAW DAMPER MODE FHA FCD 001111100
141 SERVO VALVE INPUT LEVER 2FA 9952N FHAXN FHA 1
141 YAW DAMPER SERVOING FHR FHA AAAAAAAAAA
141 YAW DAMPER SERVO ACTUATOR 252ACA FHRCA FHA 1
141 MOUNT YAW DAMPER SERVO 252ACB FHRCB FHA 1
141 CLUTCH 2FA 52ACF FHACF FHA 1

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123456789012345678901234567890123456789012345678901234567890
141 YAW DAMPER CLIP FHC CBFY FAAAAA3AA
141 YAW DAMPER COMPUTATIONS FHC FHY AAAAAA4AA
141 YAW DAMPER COMPUTATIONS FHC FJH FAAAAA4AA
141 YAW DAMPER COMPUTATIONS FHC FLA F111111111
141 COMPUTER, DUAL YAW DAMPER 52LMO FHC8 FHC 8
141 SERVO DRIVE 52ENA FHC8A FHC A
141 SW ASSY NO 2 52ENB FHC8B FHC A
141 ADAPTER 52ENC FHC8C FHC A
141 COMPARATOR 52END FHC8D FHC A
141 SW ASSY NO 1 52ENE FHC8E FHC A
141 FILTER 52ENF FHC8F FHC A
141 POWER SUPPLY 52ENG FHC8G FHC A
141 SIMULATOR 52ENH FHC8H FHC A
141 YAW DAMPER CONTROL FHD FHC AAAAAA4AA
141 CONTROL, DUAL YAW DAMPER 52ACC FHDCC FHD A
141 SINGLE AXIS RATE SENSING FHE FGF AAAAAA4AA
141 SINGLE AXIS RATE SENSING FHE FHC AAAAAA4AA
141 GYRO-SINGLE AXIS BEA 52ACD FHECD FHE A
141 BRUSHES 52ACE FHECE FHE A
141 SYSTEM 3 PLUMBING 14ECJ FHH CJ FDH 1
141 EMERGENCY ACTUATOR 9914C FHHCP FDH A
141 SYSTEM 3 PRESSURE SWITCH 14FDD FHHDD FDH A
141 SYSTEM 3 WIRING 14FOL FHHDL FDH 1
141 AFCS AILERON CONTROL FJA FJAZZ 111111111
141 AILERON SERVO ACTUATOR 52ABA FJABA FJA A
141 MOUNT, SERVO 52ABB FJABR FJA 1
141 PULLEY 52ABC FJABC FJA 1
141 CABLE 52ABD FJABD FJA A
141 ATTENUATION FJAZZ FEH 111111111
141 ROLL COMPUTATIONS FJB FHC AAAAAA4AA
141 ROLL COMPUTATIONS FJB FJA AAAAAA4AA
141 ROLL COMPUTATIONS FJB FLA F111111111
141 COMPUTER, AILERON 52AAC FJBA FJB 5
141 INTEGRATOR, PITCH 52BA A FJB A
141 SERVO DRIVE 52BAB FJBAB FJB A
141 COUPLER, ROLL 52BAC FJBAC FJB A
141 SERVO PRE-AMP 52BAD FJBAD FJB A
141 POWER SUPPLY 52BAE FJB AE FJB A
141 SYNC-ROLL AND PITCH 52BAF FJB AF FJB A
141 SYNC-COMPASS 52BAG FJB AG FJB A
141 MODIFIED LIMITER 52BAH FJB AH FJB A
141 ADAPTER 52BAK FJB AK FJB A
141 AILERON POSIT TRANSMISSION FJC FJB AAAAAA4AA
141 POSITION TRANSMITTER 52ABE FJCBE FJC A
141 NAVIGATIONAL LAT CONTROL FJD FJB 111111111
141 AFCS PITCH CONTROL FKA FDK 001111100
141 AFCS PITCH CONTROL FKA FTJ 001111100
141 ELEVATOR SERVO ACTUATOR 52ADA FKADA FKA A
141 MOUNT, ELEVATOR SERVO 52ADB FKADB FKA 1
141 PULLEY 52ADC FKADC FKA A

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141 CABLE	52ADD	FKAADU	FKA	A	
141 CLUTCHES	52ADE	FKADE	FKA	A	
141 PITCH COMPUTATION		FKB	FKA		AAAAAAAAAA
141 PITCH COMPUTATION		FKB	FLA		F111111111
141 VERTICAL GYRO 2EA	52AAF	FKBAF	FKB	A	
141 COMPUTED ELEVATOR	52ECG	FKJC	FKB	B	
141 INTEGRATOR, PITCH	52PCA	FKJCA	FKB	A	
141 COUPLER	52PCB	FKKCB	FKB	A	
141 SERVO TRIM DRIVE	52GCC	FKGCC	FKB	A	
141 SWITCHING ASSY	52BCD	FKKCD	FKB	A	
141 VERTICLE LIGHTER	52ECE	FKKCE	FKB	A	
141 SYNC, ROLL AND PITCH	52BCF	FKBCF	FKB	A	
141 ATTITUDE, PITCH	52ECG	FKPCG	FKB	A	
141 POWER SUPPLY	52BCH	FKBCH	FKB	A	
141 ADAPTER	52BCJ	FKBCJ	FKB	A	
141 FLAP POSITION INPUTS		FKC	FKB		010000010
141 FLAP POSITION SWITCH	14GDD	FKCDD	FKC	A	
141 NAVIGATIONAL PITCH CONTROL		FKD	FKB		111111111
141 AUTO PILOT SERVO EFFORT		FLA	FLF		111111111
141 INDICATOR AFCS TRIM	52AAB	FLAAB	FLA	A	
141 CONTROL		FLB	DDHE		FAAAAAAAAA
141 CONTROL		FLB	FJB		FAAAAAAAAA
141 CONTROL		FLB	FKB		AAAAAAAAAA
141 CONTROL PANEL	52AAA	FLBAA	FLB	A	
141 AUTOPILOT DISENGAGE SWITCH	52AAE	FLBAE	FLB	A	
141 JUNCTION BOX ASSY	52AAG	FLBAG	FLB	B	
141 TERMINAL STRIP	52AAH	FLBAH	FLB	1	
141 DIODE RECTIFIER	52AAJ	FLBAJ	FLB	1	
141 CONVERTER	52AAK	FLBAK	FLB	A	
141 CONTROLLER	52AAL	FLBAL	FLB	A	
141 WIRING	52AAM	FLBAM	FLB	1	
141 TWO AXIS RATE SENSING		FLC	FJB		AAAAAAAAAA
141 TWO AXIS RATE SENSING		FLC	FKB		AAAAAAAAAA
141 GYRO, TWO AXIS RATE 2EA	52AAC	FLCAC	FLC	A	
141 CONTROL WHEEL STEERING ROLL		FLD	FJB		111111111
141 CONTROL WHEEL SENSOR	52AAD	FLDAD	FLD	A	
141 ROLL CONTROL WHEEL	52BAJ	FLDAJ	FLD	A	
141 PILOT ACTION		FLF	FHA	I FHH	AAAAAAAAAA
141 PILOT ACTION		FLF	FJA	I FJB	AAAAAAAAAA
141 PILOT ACTION		FLF	FKA	I FKB	AAAAAAAAAA
141 CONTROL WHEEL STEERING PIT		FLG	FKB		111111111
141 CONTROL WHEEL SENSOR	52AAD	FLGAD	FLG	A	
141 PITCH CONTROL WHEEL	52BCK	FLGCK	FLG	A	
141 STABILIZER PITCH TRIM		FT	FD		044343430
141 STABILIZER PITCH TRIM		FT	FTK		FAAAAAAAAA
141 TRIM ACTUATION		FTA	FT		AAAAAAAAAA
141 BEARINGS	14FAJ	FTAAJ	FTA	1	
141 PITCH TRIM ACTUATOR ASSY	14FAM	FTAAJ	FTA	1	
141 HYDRO-MECHANICAL DRIVE		FTB	FTA	K FTG	AAAAAAAAAA
141 CENTERING SPRING	14FAC	FTBAC	FTB	1	

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141 HYDRAULIC PLUMBING	14FCA	FTBCA	FTB	1
141 CLAMPS	14FCB	FTBCB	FTB	1
141 SHUTOFF VALVE	14FCC	FTBCC	FTB	A
141 FLUX CONTROL VALVE	14FCD	FTBCD	FTB	A
141 FILTER	14FCE	FTBCE	FTB	1
141 FILTER ELEMENT	14FCF	FTBCF	FTB	1
141 BY-PASS VALVE	14FCG	FTBCG	FTB	A
141 ACTUATOR CONTROL VALVE	14FCJ	FTBCJ	FTB	A
141 HYDRO-MECHANICAL DRIVEUNIT	9914H	FTBZD	FTB	A
141 ELECTRO-HYD TRIM CONTROL		FTC	FTB	FTD 111111111
141 LIMIT SWITCHES 3 EACH	14FBC	FTBCB	FTC	A
141 MACH TRIM DISENGAGE RELAY	14FBF	FTCBF	FTC	1
141 AUTO-PILOT DISENGAGE RELAY	14FBF	FTCBFA	FTC	1
141 STALL PREVENTION CNT RELAY	14FBF	FTCBFA	FTC	1
141 SOLENOID ACTUATOR, CNT VLV	14FBH	FTCBH	FTC	A
141 MOTOR, PITCH TRIM ACTUATOR	14FBH	FTCBH	FTC	A
141 MANUAL-HYD TRIM CONTROL		FTD	FTB	111111111
141 PUSH PULL TUBE	14FAB	FTDAB	FTD	A
141 PULLEY	14FAE	FTDAE	FTD	A
141 INPUT QUADRANT	14FAF	FTDAF	FTD	A
141 MANUAL DRIVE	14FAG	FTDAG	FTD	A
141 LINKAGE, ACTUATOR INPUT	14FAH	FTDAH	FTD	A
141 TENSION REGULATOR	14FAL	FTDAL	FTD	A
141 LIMIT SWITCHES 3 EACH	14FBC	FTDBC	FTD	A
141 MODE A TRIM INITIATE		FTE	FTC	AAAAAAAAA
141 PILOTS PITCH TRIM SWITCH	14FBA	FTFBA	FTE	5
141 CO-PILOTS PITCH TRIM SW	14FBA	FTFBA	FTE	5
141 SWITCH, TRIM RESET	14FBF	FTFBE	FTE	A
141 PILOT TRIM DISCONNECT SW	14FBF	FTFBE	FTE	5
141 COPILOT TRIM DISCONNECT SW	14FBF	FTFBEA	FTE	5
141 CIRCUIT BREAKERS 2 EACH	14FBG	FTFBG	FTE	1
141 WIRING, MODE A ELECTRICAL	14FBK	FTFBK	FTE	1
141 MODE B CONSOL TRIM INITIATE		FTF	FTD	AAAAAAAAA
141 LEVER, HYD TRIM CONTROL 2BA	14FAA	FTFAA	FTF	1
141 CABLES	14FAD	FTFAD	FTF	A
141 QUADRANT, FLIGHT STATION	14FAK	FTFAK	FTF	A
141 TORQUE TUBE	9914J	FTFZA	FTF	3
141 CENTERING SPRING CARTRIDGE	9914K	FTFZB	FTF	1
141 CENTERING SPRING LEVER	9914L	FTFZC	FTF	1
141 ELECTRO-MECHANICAL DRIVE		FTG	FTA	FTB 111111111
141 LIMIT SWITCHES 3 EACH	14FBC	FTGBC	FTG	A
141 CLUTCH RELAYS 2EAC	14FBF	FTGBF	FTG	A
141 TRANSFER RELAY	14FBF	FTGBFA	FTG	A
141 MOTOR, PITCH TRIM ACTUATOR	14FBJ	FTGBJ	FTG	A
141 ELECTRO-MECH DRIVE UNIT	9914M	FTGZM	FTG	A
141 COUNTER-ROTATING CLUTCHES	9914N	FTGZM	FTG	A
141 MODE C ELEC TRIM INITIATE		FTH	FTG	K FTJ AAAAAAAAAA
141 SWITCH ELEC PITCH TRIM 2BA	14FBH	FTHHB	FTH	1
141 SWITCH, TRIM RESET	14FBF	FTHBF	FTH	A
141 PILOT TRIM DISCONNECT SW	14FBF	FTHBE	FTH	1

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1234567890123456789012345678901234567890123456789012345678901234567890
141 CO-PILOT TRIM DISCONNECT SW 14FEE FTHHEA FTH 1
141 CIRCUIT BREAKER 14FEG FTHBG FTH A
141 TRIM CORRECTION FTJ FTH 111111111
141 MACH TRIM DISENGAGE RELAY 14FEF FTJHF FTJ A
141 AUTO PILOT DISENGAGE RELAY 14FFP FTJHFA FTJ A
141 STAB POSITION SENSING FTK DDBH FAAAAA
141 STAB POSITION SENSING FTK FKK AAAAAA
141 STAB POSITION SENSING FTK FTKA AAAAAA
141 STAB POSITION SENSING FTK FTL FAAAAA
141 STAB POSITION INDICATE FTKA FT I FTA AAAAAA
141 INDICATOR PITCH TRIM 14FDB FTKADA FTKA 8
141 TRANSMITTER 14FDE FTKDB FTK A
141 MACH TRIM COMPENSATION FTL FTJ 000111000
141 MACH TRIM COMPENSATION FTL FTJ F 000111000
141 MACH TRIM COMPENSATION FTL FTN F000111000
141 POSIT TRANSMITTER SYNCHRO 52AAN FTLAN FTL A
141 RELAY 14FEE FTLBF FTL A
141 MACH TRIM COMPUTER 9952A FTLYA FTL A
141 MODE SWITCH RELAY 9952B FTLYB FTL A
141 DISCRIMINATOR 9952C FTLYC FTL A
141 OUTPUT RELAY 9952D FTLYD FTL A
141 TRIGGER AMP 9952E FTLYE FTL A
141 TEST RELAY 9952F FTLYF FTL A
141 SYNC MOTOR 9952G FTLYG FTL A
141 SERVO AMPLIFIER 9952H FTLYH FTL A
141 CONTROL TRANSFORMER 9952J FTLYJ FTL A
141 MTC CONTROL FTM FTL AAAAAA
141 MANUAL TRIM RELAY 14FEE FTMHF FTM A
141 MTC ON-OFF SWITCH 9952K FTMKY FTM A
141 ARMING RELAY AFCS JNC BOX 9952L FTMYL FTM A
141 AFCS RELAY 9952M FTMYM FTM A
141 MACH TRIM INOP INDICATE FTM FDMPE 111111111
141 CONTROL UNIT 44FBA FTMHA FTM 1
141 LIGHT ASSY MASTER CAUTION 44FEP FTMHB FTM 1
141 INDICATOR LIGHT 44FEC FTMHC FTM A
141 FLAP POSITION INPUTS FTP FT 010000010
141 STABILIZER ASSY GROUP 1 11HCC FTXCA FT 1
141 GROUND CONTROL G C AAAAAA
141 SPEED CONTROL GA G 000000040
141 SPEED CONTROL GA GAX 500000015
141 BRAKES APPLIED GAA GA 40000005A
141 BRAKES APPLIED GB K GBA 500000015
141 WHEEL BRAKE ASSY #8 EAC 130HA GAAA GAA 1
141 ROTOR #3 EAC 130AJ GAAB GAA 1
141 STATOR #3 EAC 130AK GAAC GAA 1
141 LINKAGE #2 EAC 130AA GAAD GAA 1
141 HELICRANK #2 EAC 130AH GAAE GAA 1
141 ROD END BEARING #2 EAC 130AC GAAG GAA 1
141 MANUAL GRND BYPASS VALV 6E130BG GAAG GAA 0
141 SPOILERS DEPLOYED GAS GA 000000010

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123456789012345678901234567890123456789012345678901234567890
141 REVERSE THRUST GAC GA 000000050
141 NORMAL BRAKING GAD GAA 111111111
141 NORMAL MODE SELECT GADA GAJ AAAAAAAAA
141 BRAKE SELECTOR SWITCH 130CF GADAA GADA A
141 CONDUIT 130CG GADAB GADA 1
141 WIRING 130CH GADAC GADA 1
141 BRAKE FORCE CONTROL GADB GAD AAAAAAAAA
141 BRAKE FORCE CONTROL GADB GAF AAAAAAAAA
141 PILOT BRAKE METER VALVE 130CB GADBA GADB 5
141 HYD FORCE APPLIED GADC GAJB AAAAAAAAA
141 HYD FORCE APPLIED GADC GAD EAAAAAAAA
141 SELECTOR VALVE 130PL GADCA GAD A
141 SHUTTLE VALVE 130BF GADCB GAD 1
141 HYD FUSE 130BH GADCC GAD 1
141 SWIVEL FITTING 130BJ GADCD GAD 1
141 FLEX HOSE 130BK GADCE GAD 2
141 PLUMBING 130BN GADCF GAD 2
141 PILOT ACTION GADCG GAD AAAAAAAAA
141 RUDDER PEDAL ASSY Y2 SETS 140EA GADCX GAA 1
141 ANTI-SKID CONTROL GADD GAD 111111111
141 ANTI-SKID CONTROL GADD GAD EAAAAAAAA
141 ANTI SKID VALVE 130BE GADDA GAD 8
141 CONTROL BOX ANTI SKID 130CB GADDB GAD 8
141 NORMAL PRESSURE INDICATED GADE GAD 111111111
141 PRESSURE TRANSMITTER 9913A GADEA GAD A
141 PRESSURE INDICATOR 9913B GADEB GAD A
141 ANTI SKID SELECTED GADG GAD AAAAAAAAA
141 ANTI SKID SELECTED GADF GAD EAAAAAAAA
141 ANTI SKID SWITCH 130CC GADFA GAD A
141 ANTI SKID STATUS GADG GAD I GAD 555555555
141 DIMMER DELAY 130CE GADGA GAD 0
141 BRAKE REL LIGHT 130CD GADGB GAD 1
141 SKID OFF LIGHT 130CD GADGC GAD 1
141 SKID OFF LIGHT 130CD GADGD GAD 1
141 DECELERATION SENSED GADH GAD AAAAAAAAA
141 DECELERATION SENSED GADH GAD 555555555
141 SKID DETECTORS 130CA GADHA GAD A
141 CONDUIT 130CG GADHB GAD 0
141 WIRING 130CH GADHC GAD 1
141 WHEEL ROTATION SENSED GADHX FFLO AAAAAAAAA
141 AIRCRAFT TOUCHDOWN GADJ GAD AAAAAAAAA
141 TOUCHDOWN RELAY 130CB GADJA GAD A
141 EMERGENCY BRAKING GAF GAA K GAD AAAAAAAAA
141 EMERGENCY MODE SELECT GAEA GAF AAAAAAAAA
141 BRAKE SELECT SWITCH 130CF GAEAA GAE A
141 CONDUIT 130CG GAEAB GAE 0
141 WIRING 130CH GAEAC GAE 1
141 EMER BRAKE FORCE CONTROL GAER GAF AAAAAAAAA
141 MAIN METER VALVE 130BC GAEB A
141 RESTRICTOR 130BM GAEBH GAER 1

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FLIGHT SAFETY PREDICTION TECHNIQUE

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000000000111111111222222222233333333334444444444555555555566666666667777777777
12345678901234567890123456789012345678901234567890123456789012345678901234567890
141 PILOT VALVE 32 LAC 131FB GAFCB GAFB 5
141 EMER HYD FORCE APPLIED GAEC GAEB AAAAAA2A
141 EMER HYD FORCE APPLIED GAEC GAEB FAAAAAA4AA
141 NORM SELECTOR VALVE 130FD GAECA GAEC A
141 SHUTTLE VALVE 130BF GAECB GAEC 1
141 HYDRAULIC FLSE 32 PAC 130DH GAECG GAEC 2
141 SWIVEL FITTING 130PJ GAECU GAEC 2
141 FLEX HOSE 130BK GAECF GAEC 2
141 PLUMBING 130RN GAECF GAEC 2
141 PILOT ACTION GAEE GAEC AAAAAA4AA
141 EMER PRESS IND GAEE UHCH 111111111
141 PRESS TRANSMITTER 9913A GAEEA GAEE A
141 PRESS INDICATOR 9913B GAEEB GAEE A
141 PARKING BRAKE GAF GAA 000000000
141 HANDLE 130AD GAFA GAF 1
141 CABLE 130AF GAFB GAF 8
141 CATCH MECHANISM 130AG GAFC GAF 1
141 BLOCK MECHANISM 130AH GAFD GAF 2
141 ATTENUATION GAX G 111111111
141 DIRECTIONAL CONTROL GB G 110000011
141 NOSEWHEEL STEERING GBA GB 110000011
141 STEERING ACTUATED GBB GBA AAAAAA4AA
141 ACTUATOR 13EPA GBRB GBR A
141 SWIVELS 13EBB GBBB GBR 1
141 CHECK VALVE 13EBD GBBC GBR 1
141 PLUMBING 13EBF GBBB GBR 1
141 CONTROL VALVE 13EBH GBDE GBR A
141 COMPENSATOR 13EBG GBDF GBH 3
141 STEERING APPLIED GBC GBA AAAAAA4AA
141 CABLE 13FAE GBGA GBC A
141 BRACKET 13EAF GBCB GBC 1
141 TORQUE SHAFT ASSY 13EAH GBCC GBC A
141 BEARING 13EAJ GBOD GBC A
141 HOUSING 13EAC GBCE GBC 1
141 DISCONNECT 13EAL GBDF GBC 5
141 RUDDER PEDAL STEERING GBD GBC 150000051
141 ACTUATOR 13ERC GADA GBD 8
141 SHUTOFF VALVE 13EBE GBDB GBD A
141 RUDDER PEDAL ASSY 14CBA GUDC GBD 1
141 SPROCKET 13EAG GBDJ GBD 8
141 MANUAL STEERING GBE GBC 510000015
141 COLUMN ASSY 13EAA GREB GBE 1
141 INDICATOR ASSY 13EAB GREB GBE 0
141 MODEL 13EAK GDEC GRE 1
141 ADAPTER 13EAD GBD GBE 1
141 STEERING ENABLED GDF GBH AAAAAA4AA
141 JUNCTION BOX 42HAE HAQG UAG 1
141 LANDING GEAR L AAAAAA4AA
141 GEAR EXTEND LA 000000000
141 GEAR EXTEND LA LEF FAAAAA4AA

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FLIGHT SAFETY PREDICTION TECHNIQUE

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000000000111111111122222222333333333444444444555555555666666666777777777
1234567890123456789012345678901234567890123456789012345678901234567890
141 MAIN LAND GEAR EXTEND LAA LA AAAAAA
141 MAIN LAND GEAR EXTEND LAA LA FAAAAA
141 SCOT PIN 13AA4 LAAAD LAA A
141 LINK ASSY 13AA8 LAAAM LAA A
141 TORQUE ARM LOWER 13AAD LAAAD LAA A
141 TORQUE ARM UPPER 13AAE LAAAE LAA A
141 BOGIE BEAM ASSEMBLY 13AAM LAAAM LAA A
141 BOGIE BEAM LEVELER ASM 13AAN LAAAN LAA A
141 ATTACH LINK 13AAU LAAAU LAA A
141 BOGIE BEAM PIVOT PIN 13AAV LAAAV LAA A
141 FREE FALL LAB LAA K LAC AAAAAA
141 DUMMEY WUC 4555K LAB LAA LAB 0
141 NORMAL MLG EXTEND 13AAG LAC LAA LAB 11111111
141 DOWN SEQUENTIAL FUSE 13AEG LACRG LAC A
141 VALVE DOWNLOCK SELECTOR 13AEM LACBM LAC A
141 MLG DOWNLOCK LAB LAA AAAAAA
141 DRAG BRACE AFT 13AAJ LAUJ LAA A
141 DOWNLOCK ASSY 13AAL LAUJ LAA A
141 EXTENSION UNIT DOWNLOCK 13ABL LAUHL LAA A
141 EMERGENCY DOWNLOCK LAE LAA K LAL 22222222
141 HANDLE ASSY 13EDA LAEDA LAE A
141 SHAFT ASSY 13EDB LAEDB LAE A
141 BELL CRANK 13EDC LAEDC LAE A
141 SPRING 13EDF LAEDF LAE 0
141 STOP ASSY 13EDF LAEDF LAE 1
141 PIN-QUICK DISCONNECT 13EDG LAEDG LAE 0
141 FITTING-PIN DOWNLOCK ENGUL 13EDH LAEDH LAE A
141 MLG UNLOCK RELEASE LAF LAA AAAAAA
141 UNLOCK ASSY 13AAK LAFK LAF A
141 EMERGENCY UNLOCK RELEASE LAG LAF K LAL AAAAAA
141 HANDLE RELEASE 13FAA LAGAA LAG A
141 BELL CRANK 13FAB LAGAB LAG A
141 SEAL,PRESSURE BULKHEAD 13FAC LAGAC LAG 0
141 CABLE 13FAD LAGAD LAG A
141 SPRING 13FAE LAGAE LAG 1
141 PULLEY 13FAF LAGAF LAG 1
141 BRACKET 13FAG LAGAG LAG 0
141 MLG DOORS UNLOCK LAH LAA AAAAAA
141 EMERGENCY DOORS UNLOCK LAJ LAA K LAL AAAAAA
141 HANDLE RELEASE 13FAA LAJAA LAJ A
141 HYDRAULIC ATTENUATION LAK L 010000050
141 DOWN ACTUATION LAL LAC AAAAAA
141 DOWN ACTUATION LAL LAD LAE 11111111
141 DOWN ACTUATION LAL LAF LAG 11111111
141 DOWN ACTUATION LAL LAH LAJ 11111111
141 MLG SELECTOR VALVE 13ABA LALBA LAL A
141 MLG ACTUATOR 13ABH LALBH LAL A
141 MLG DOWNLOCK ACTUATOR 13ABC LALBC LAL A
141 MLG UNLOCK ACTUATOR 13ABD LALBD LAL A
141 FLOW REGULATOR 13APE LALRE LAL 2

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00000000111111111122222222223333333333444444555555555566666666667777777777
1234567890123456789012345678901234567890123456789012345678901234567890

141	CHECK VALVE	13ABF	LALBF	LAL	1	
141	TANK BEAM POSITION	13ABH	LALBH	LAL	2	
141	FILLER VALVE TANK	13ABJ	LALBJ	LAL	1	
141	CYLINDER BEAM POSITIONER	13ABK	LALBK	LAL	2	
141	SWIVEL FITTING	13ABN	LALBN	LAL	5	
141	PLUMBING	13ACP	LALAP	LAL	1	
141	VALVE,SEL. ALG DOOR UNLOCK	13ABO	LALBO	LAL	A	
141	CONTROL VALVE,FLAPPER OR	13ABR	LALBR	LAL	A	
141	ACTUATOR,FLAPPER OR	13ABS	LALBS	LAL	A	
141	HOSE ASSY LOCK ACTUATOR	13ABT	LALBT	LAL	1	
141	HOSE ASSY ACTUATOR	13ABU	LALBU	LAL	1	
141	CONTROL OVERRIDE ALG		LAM	K LAN	AAAAA	
141	CONTROL OVERRIDE BUTTONS	0913C	LAMZC	LAM	A	
141	LAND GEAR EXTEND CONTROL		LAN	LAL	LAM	11111111
141	LAND GEAR EXTEND CONTROL		LAN	LAP	LAK	F11111111
141	LAND GEAR EXTEND CONTROL		LAN	LFE		FAAAAAA
141	CONTROL PANEL	13CAA	LANAA	LAN	1	
141	SOLENOID HANDLE RELEASE	13CAC	LANAC	LAN	A	
141	WIRING	13CAL	LANAL	LAN	1	
141	DOWN LIMIT SWITCH	13ACD	LANCD	LAN	A	
141	NOSE LAND GEAR EXTEND		LAP	LA	AAAAA	
141	NOSE LAND GEAR EXTEND		LAP	LEC	FAAAAAA	
141	TORQUE ARM ASSY UPPER	13FAE	LAPAE	LAP	A	
141	TORQUE ARM ASSY LOWER	13FAF	LAPAF	LAP	A	
141	DISCONNECT PIN TORQUE ARM	13FAG	LAPAG	LAP	A	
141	DRAG LINK TRUNION	13FAH	LAPAH	LAP	A	
141	BUSHING STRUT TRUNION	13FAJ	LAPAJ	LAP	A	
141	UNLOCK/DOWNLOCK ASSY	13FAK	LAPAK	LAP	A	
141	ROD END BRAKING	13CAL	LAPAL	LAP	2	
141	ORIFICE ASSY. STRUT	13FAM	LAPAM	LAP	1	
141	TRUNION ASSY. STRUT	13FAP	LAPAP	LAP	A	
141	BUMPER LOWER TORQUE ARM	13FAQ	LAPAQ	LAP	A	
141	ARM ASSY DOOR	13EAR	LAPAR	LAP	A	
141	DRAG LINK FORWARD	13EAS	LAPAS	LAP	A	
141	DRAG LINK AFT	13EAT	LAPAT	LAP	A	
141	BEARING DRAG LINK TRUNION	13EAV	LAPAV	LAP	A	
141	HELLCRANK UP-DOWN LOCK	13EAW	LAPAW	LAP	A	
141	MLG ACTUATOR	13EBA	LAPBA	LAP	A	
141	UP-DOWN LOCK ACTUATOR	13EBB	LAPBB	LAP	A	
141	FLOW REGULATOR	13EBC	LAPBC	LAP	2	
141	SWIVEL FITTING	13EBD	LAPBD	LAP	5	
141	VALVE SELECTOR	13EBE	LAPBE	LAP	A	
141	VALVE CHECK	13EBF	LAPBF	LAP	2	
141	VALVE PRESS REDUCER	13EBG	LAPBG	LAP	2	
141	PLUMBING	13EBH	LAPBH	LAP	1	
141	HOSE ASSY LOCK ACTUATOR	13EBJ	LAPBJ	LAP	A	
141	HOSE ASSY ACTUATOR	13EBK	LAPBK	LAP	A	
141	LAND GEAR RETRACT CONTROL		LAQ	LBB	AAAAA	
141	LAND GEAR RETRACT CONTROL		LAQ	LBE	FAAAAAA	
141	CONTROL PANEL	13CAA	LAQAA	LAQ	1	

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0000000011111111111122222222333333333344444444555555556666666677777777778
12345678901234567890123456789012345678901234567890123456789012345678901234567890
141 SILENT HANDLE RELEASE 13CAC LACAC LAD A
141 WIRING 13CAL LACAL LAD 1
141 UP LIMIT SWITCH 13ACC LACCC LAD A
141 EMERGENCY EXTEND NLG LAR K LAR AAAAAA
141 HANDLE RELEASE 13FBA LARBA LAR A
141 SYSTEM HYD RESERVOIR 13FCA LARCA LAR 1
141 PUMP 13FCB LARCB LAR A
141 HANDLE-PUMP 13FCC LARCC LAR 1
141 VALVE, FUEL SELECTOR 13FCD LARCD LAR A
141 FILTER 13FCE LARCE LAR 1
141 VALVE, SHUTTLE 13FCF LARCF LAR 1
141 VALVE, RELIEF 13FCG LARCG LAR 1
141 VALVE, CHECK 13FCH LARCH LAR 1
141 PLUMBING 13FCJ LARCJ LAR 1
141 PILOT ACTION LAS LAM AAAAAA
141 PILOT ACTION LAS LAR FAAAAA
141 GEAR RETRACT LB LBZ 11111111
141 MAIN LAND GEAR RETRACT LBA LB AAAAAA
141 MLG RETRACT LBA LEB FAAAAA
141 ROOT PIN 13AA4 LBAAD LBA A
141 LINK ASSY 13AAB LBAAB LBA A
141 TORQUE ARM LOWER 13AAD LBAAD LBA A
141 TORQUE ARM UPPER 13AAE LBAAE LBA A
141 BOGIE BEAM ASSY 13AAM LBAAM LBA A
141 BOGIE BEAM LEVELER ARM 13AAN LBAAN LBA A
141 ATTACH LINK 13AAU LBAAU LBA A
141 BOGIE BEAM PIVOT PIN 13AAV LBAAV LBA A
141 UP ACTUATION LBB LBA AAAAAA
141 MLG SELECTOR VALVE 13ABA LBBBA LBB A
141 MLG ACTUATOR 13ABB LBBAB LBB A
141 FLOW REGULATOR 13ABE LBBBE LBB 2
141 CHECK VALVE 13ABF LBBBF LBB 1
141 TANK BEAM POSITION LBBH LBBRH LBB 2
141 FILLER VALVE TANK 13ABJ LBBBJ LBB 1
141 CYLINDER BEAM POSITIONER 13ABK LBBBK LBB 2
141 SWIVEL FITTING 13ABN LBBBN LBB 5
141 PLUMBING 13APP LBBBP LBB 1
141 HOSE ASSY LOCK ACTUATOR 13APT LBBPT LBB 1
141 HOSE ASSY ACTUATOR 13AEU LBBBU LBB 1
141 UNLOCK ENGAGE LBC LBA AAAAAA
141 UNLOCK ASSY 13AAK LBCAK LBC A
141 MLG UNLOCK ACTUATOR 13ACD LBCAD LBC A
141 UNLOCK SWITCH 13ACF LBCCF LBC A
141 DOWNLOCK RELEASE LBD LBA AAAAAA
141 DOWNLOCK ASSY 13AAL LBDAL LBD A
141 MLG DOWNLOCK ACTUATOR 13AFC LBDGC LBD A
141 NOSE LANDING GEAR RETRACT LBE LBA AAAAAA
141 NOSE LANDING GEAR RETRACT LBE LBD FAAAAA
141 TORQUE ARM ASSY UPPER 13BAE LBBAE LBE A
141 TORQUE ARM ASSY LOWER 13BAF LBBAF LBE A

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FLIGHT SAFETY PREDICTION TECHNIQUE

141	DISCONNECT PIN TORQUE ARM	13BA6	LBBA6	LBB	A
141	DRAG LINK TRUNION	13BAH	LBBAH	LBB	A
141	RUSHING STRUT TRUNION	13BAJ	LBBAJ	LBB	A
141	UPLOCK/DOWNLOCK ASSY	13BAK	LBBAK	LBB	A
141	ROD END BEARING	13BAL	LBBAL	LBB	2
141	BRIDGE ASSY STRUT	13BAM	LBBAH	LBB	1
141	TRUNION ASSY STRUT	13BAP	LBBAH	LBB	A
141	BUMPER LOWER TORQUE ARM	13BAO	LBBAO	LBB	A
141	ARM ASSY DOOR	13BAW	LBBAW	LBB	A
141	DRAG LINK FORWARD	13BAS	LBBAH	LBB	A
141	DRAG LINK AFT	13BAT	LBBAH	LBB	A
141	BEARING DRAG LINK TRUNION	13BAV	LBBAH	LBB	A
141	BELL CRANK UP-DOWN LOCK	13BAW	LBBAW	LBB	A
141	MLG ACTUATOR	13BAZ	LBBAZ	LBB	A
141	UP-DOWN LOCK ACTUATOR	13BBA	LBBAH	LBB	A
141	FLOW REGULATOR	13BBB	LBBAH	LBB	2
141	SWIVEL FITTING	13BBB	LBBAH	LBB	5
141	VALVE SELECTOR	13BBE	LBBAH	LBB	A
141	VALVE CHECK	13BBF	LBBAH	LBB	2
141	VALVE PRESSURE REDUCER	13BBG	LBBAH	LBB	2
141	PLUMBING	13BBH	LBBAH	LBB	1
141	HOSE ASSY LOCK ACTUATOR	13BBJ	LBBAH	LBB	A
141	HOSE ASSY ACTUATOR	13BBK	LBBAH	LBB	A
141	DOORS LOCKED		LBB	LBA	AAAAAAAAAA
141	VALVE,SEL MLG DOOR UPLOCK	13BFO	LBBAH	LBB	A
141	CONTROL VLV,FLAPPER DOOR	13BFR	LBBAH	LBB	A
141	ACTUATOR,FLAPPER DOOR	13BFS	LBBAH	LBB	A
141	RETRACT ATTENUATION		LBZ	L	010000000
141	MAIN LAND GEAR SUPPORT		LC	L	AA00000AA
141	STRUT	13AAA	LCAAA	LC	A
141	SPACER,WHEEL FORWARD	13AA1	LCAAA	LC	2
141	SPACER,AXEL FORWARD	13AA2	LCAAA	LC	2
141	SPACER,AXEL AFT	13AA3	LCAAA	LC	2
141	BEARING MLG UPPER	13AA6	LCAAA	LC	2
141	STATIC GROUND WIRE	13AA7	LCAAA	LC	0
141	PISTON ASSEMBLY	13AAB	LCAAB	LC	A
141	STRUT INFLATION VALVE	13AAC	LCAAC	LC	0
141	BRAKE LINK AFT	13AAF	LCAAF	LC	A
141	BRAKE LINK FORWARD	13AAG	LCAAG	LC	A
141	BRAKE LINK FORWARD	13AAH	LCAAH	LC	A
141	AXLE	13AAP	LCAAP	LC	A
141	BEAM POSITIONER	13AAQ	LCAAQ	LC	A
141	SHAFT ASSY MLG SUPPORT	13AAR	LCAAR	LC	A
141	DRAG BRACE LOWER	13AAS	LCAAS	LC	A
141	DRAG BRACE UPPER	13AAT	LCAAT	LC	A
141	RUSHING	13AAW	LCAAW	LC	2
141	SHAFT DRAG BRACE	13AAX	LCAAX	LC	A
141	SPACER,AFT MLG WHEEL	13AAY	LCAAY	LC	2
141	NUT ASSY,MLG	13AAZ	LCAAZ	LC	A
141	MAIN GEAR OUTBOARD DOORS	11EA0	LCEAA	LC	2

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141	MAIN GEAR INBOARD DOORS	11000	LCGHA	LC	2
141	WHEEL DOORS	11000	LCGCA	LC	2
141	AXLE, 3 EACH	13GAA	LCGAA	LC	2
141	WHEEL BEARINGS	13GAF	LCGAF	LC	1
141	TIRE, SMOOTH BEACH 13GAD	13GAC	LCGAC	LC	2
141	TIRE, ICE GRIP BEACH 13GAL	13GAD	LCGAD	LC	2
141	TIRE INFLATION VALVE	13GAE	LCGAE	LC	0
141	TIRE BLOW-OUT DISC	13GAF	LCGAF	LC	1
141	BEARING CUP	13GAG	LCGAG	LC	1
141	RETAINER CUP	13GAH	LCGAH	LC	1
141	NOSE LANDING GEAR SUPPORT		LD	L	A400000AA
141	STRUT	13BAA	LDCAA	LD	A
141	PISTON	13BAC	LDCAF	LD	A
141	STRUT INFLATION VALVE	13BAC	LDCAF	LD	0
141	AXEL	13BAD	LDCAF	LD	A
141	BUSHING, STEERING PISTON	13BAN	LDCAF	LD	2
141	NUT ASSY NLG	13BAU	LDCAF	LD	A
141	FORWARD NLG DOOR	11ED0	LDCAF	LD	2
141	AFT NLG DOOR	11EE0	LDCAF	LD	2
141	WHEEL	13GBA	LDGBA	LD	7
141	WHEEL BEARING	13GBB	LDGBB	LD	1
141	TIRE	13GBC	LDGBC	LD	2
141	TIRE INFLATION VALVE	13GBD	LDGBD	LD	0
141	TIRE BLOW-OUT DISC	13GBE	LDGBE	LD	1
141	BEARING CUP	13GBF	LDGBF	LD	1
141	RETAINER CUP	13GBG	LDGBG	LD	1
141	INDICATE NLG EXTEND		LEA	LAS	111111111
141	BEAM POSITION SWITCH	13ACE	LEACE	LEA	A
141	NLG POSITION INDICATOR	13ADA	LEADA	LEA	A
141	NLG AXLE BEAM POS IND	13ADB	LEADB	LEA	A
141	INDICATE NLG RETRACT		LEB	LBZ	I LB AAAAAAAGA
141	BEAM POSITION SWITCH	13ACE	LEBCE	LEB	A
141	NLG POSITION INDICATOR	13ADA	LEBDA	LEB	A
141	NLG AXLE BEAM POS IND	13ADB	LEBDB	LEB	A
141	NOSE GEAR POSITION INDICATE		LEC	FGF	AAAAAAGAA
141	INDICATE NLG EXTEND		LEC	LAS	111111111
141	SWITCH NLG	13CCA	LECCA	LEC	A
141	SWITCH NLG NOT LOCK	13CCB	LECCB	LEC	A
141	WIRING	13CCC	LECCC	LEC	1
141	INDICATE NLG RETRACT		LED	LBZ	I LB AAAAAAAGA
141	SWITCH NLG	13CCA	LECCA	LED	A
141	SWITCH NLG NOT LOCK	13CCB	LECCB	LED	A
141	WIRING	13CCC	LECCC	LED	1
141	LAND GEAR WARNING		LEE	LAS	111111111
141	WARNING LIGHTS	13CAH	LEEAB	LEE	1
141	WARNING HORN	13CAD	LEHAD	LEE	1
141	RELAY, HORN SILENCE	13CAE	LEEAE	LEE	1
141	RELAY, SILENCER	13CAF	LEEAF	LEE	0
141	SWITCH, TEST	13CAG	LEEAG	LEE	0
141	SWITCH, HORN SILENCE	13CAH	LEEAH	LEE	0

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00000000011111111122222222333333334444444455555555666666667777777777
1234567890123456789012345678901234567890123456789012345678901234567890
141 SWITCH QUADRANT 13CAJ LEEAJ LEE 1
141 RECTIFIER 13CAK LEEAK LEE 1
141 WIRING 13CAL LEEAL LEE 1
141 TOUCHDOWN INDICATE LEE DDHF AAAAAAAAAA
141 TOUCHDOWN INDICATE LEE EEB AAAAAAAAAA
141 TOUCHDOWN INDICATE LEE GBF AAAAAAAAAA
141 TOUCHDOWN SWITCH 13ACA LEECA A
141 TOUCHDOWN RELAY 13ACB LEECH A
141 JUNCTION BOX ASSY 13ACG LEECG 1
141 WIRING 13ACH LEECH 1
141 MISSION SUPPORT M AAAAAAAAAA
141 ATTENUATION MA M 111111111
141 ATTENUATION MB MA 111111111
141 TRANSPORTATION MC MB 021111120
141 PERSONNEL MCA MC AAAAAAAAAA
141 TROOPS MCAA MCA 000000000
141 SEAT ASSY 12FFO MCAA 1
141 CASUALTIES MCB MCA 000000000
141 STANTION KIT 12FCO MCABA MCB 1
141 LITTER PROVISION KIT 12FDO MCABH MCB 1
141 LOADING KIT 12FEC MCABC MCB 1
141 CARGO MCB MC AAAAAAAAAA
141 CHANNEL ASSY TIE DOWN 12CAF MCB 1
141 INSULATION BLANKET 12CAH MCB 0
141 LOCKER CHAIN STOWAGE 12CAK MCB 0
141 WALKWAY 12CAL MCB 0
141 ANTI-SLIP CARGO FLOOR 12CAM MCB 0
141 TRIM PANEL 12CAN MCB 0
141 TRACK ASSY STOWAGE 12CAP MCB 0
141 ROLLER CONVEYOR ASSY 12CAQ MCB 0
141 10000 LB QUICK DISCONNECT 12CAU MCB 1
141 STOWAGE RACK FITTING 12CAV MCB 0
141 TIE DOWN RECEPTACLE 12CAW MCB 1
141 25000 LB CARGO TIE DOWN 12CAZ MCB 1
141 SUPPORT EQUIPMENT MD MB 000000000
141 CREW GALLY 49DAJ MDA MD 1
141 CREW TOILETS 49DCC MDB MD 1
141 CREW TOILET ELECTRICAL 49DDO MDC MD 1
141 PORTABLE BUFFET 49DAC MDD MD 0
141 PORTABLE TOILET 49DBC MDE MD 0
141 AIR DROP ME MB 000011110
141 CARGO MEA ME AAAAAAAAAA
141 TROOPS MEB ME AAAAAAAAAA
141 DOORS AND JUMP PLATFORMS MERA ME3 000000000
141 FRAME 11C6A MERA 1
141 SKIN 11C6B MERA 0
141 HANDLE ASSY 11C6C MERA 1
141 WINDOW 11C6D MERA 0
141 NEGATOR SPRING 11C6E MERA 1
141 DRUM 11C6F MERA 1

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00000000111111111122222222223333333333444444444455555555556666666666777777777788888888889999999999
1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890

141	CABLE	11C0H	MECAG	MEBA	1
141	HOUSING	11C0J	MEBAH	MEBA	0
141	TRACK	11C0K	MEBAJ	MEBA	2
141	STOP ASSY	11C0L	MEBAK	MEBA	1
141	GUIDE ASSY	11C0M	MEBAL	MEBA	1
141	BELL CRANK ASSY	11C0N	MEBAM	MEBA	5
141	EXT HANDLE	11C0P	MEBAN	MEBA	1
141	ROLLER	11C0Q	MEBAP	MEBA	2
141	RAYONET	11C0R	MEBAQ	MEBA	0
141	DOOR RECEPTACLE	11C0S	MEBAR	MEBA	0
141	SWITCH DOOR WARNING	11C0T	MEBAS	MEBA	1
141	BRACKET ROLLER SUPPORT	11C0U	MEBAT	MEBA	2
141	WIRING	11C0V	MEBAU	MEBA	1
141	BRACKET COUNTER BALANCE	11C0W	MEBAV	MEBA	1
141	SEAT KIT SIDEWALL	12FAJ	MEBAW	MEBA	0
141	LEVER ASSY TR DOOR CL	12CAJ	MEBAX	MEBA	A
141	PARACHUTE SYSTEM		MECA	MEB	000000000
141	PAPATKOP KIT	12FPO	MECAA	MECA	A
141	DOORS AND RAMP SYSTEM		MED	MEB	AAAAAAAAA
141	CARGO RAMP ASSY	11PAA	MEDA	MED	A
141	HINGE	11BKC	MEDAA	MED	A
141	UNLOCK ASSY	11BKU	MEDAB	MED	A
141	HINGE PIN	11BKE	MEDAC	MED	A
141	LATCH MECH-CLOSED POS	11BKF	MEDAD	MED	A
141	LOCKED IND-CLOSED POS	11BKG	MEDAE	MED	0
141	IND-OPEN POS UNLOCK	11BKH	MEDAF	MED	0
141	PANEL	11BKK	MEDAG	MED	1
141	HOOKS	11BKL	MEDAH	MED	1
141	LATCH PINS	11BKM	MEDAJ	MED	A
141	SWITCH ALL DOORS	11BKA	MEDAK	MED	A
141	SWITCH LIMIT WARNING	11BCK	MEDAL	MED	A
141	SWITCH ARMING ALL DOORS	11BCC	MEDAM	MED	A
141	RELAY	11BCK	MELAN	MED	A
141	WIRING	11BCE	MEDAP	MED	1
141	HINGE	11BAB	MEDB	MED	A
141	LATCH MECHANISM	11BAC	MEDC	MED	A
141	SKIN	11BAD	MEDD	MED	1
141	LEVER SEQUENCE SWITCH	11BAE	MEDDE	MED	A
141	HOOKS	11BAF	MEDDF	MED	A
141	TORQUE TUBE	11BAG	MEDDG	MED	A
141	ECCENTRIC HOUSING	11BAH	MEDDH	MED	A
141	FRAME	11BAJ	MEDDJ	MED	1
141	FRAME	11BAK	MEDDK	MED	1
141	SKIN	11BAD	MEDDL	MED	1
141	HINGE	11BDJ	MEDDM	MED	1
141	LATCH MECHANISM	11BDK	MEDDN	MED	A
141	EYE-BOLT	11BDE	MEDDP	MED	A
141	LINK	11BDF	MEDDQ	MED	A
141	CAM	11BDH	MEDDS	MED	A
141	GEAR BOX	11BDJ	MEDDT	MED	A

FLIGHT SAFETY PREDICTION TECHNIQUE

141	TURBO TURBO ASSY	1110K	MEED	MEED	A	
141	UNIVERSAL JOINT	1110L	MEEDV	MEED	A	
141	HONEY COMP PANELING	1110N	MEEDW	MEED	C	
141	JACKSCREW ACTUATOR	1110P	MEEDX	MEED	A	
141	FRAME	1110A	MEEDY	MEED	1	
141	SKIN	1110B	MEEDZ	MEED	1	
141	PETAL DOOR ACTUATION		MEEA	MEED		AAAAAAAAAA
141	RAMP ACTUATION		MEFA	MEED		AAAAAAAAAA
141	ACTUATING CYLINDER	1110A	MEFAA	MEFA	A	
141	VALVE ACTUATING CONTROL	1110B	MEFAB	MEFA	A	
141	CYLINDER LOCK ACTUATING	1110C	MEFAC	MEFA	A	
141	VALVE LOCK ACT CONTROL	1110D	MEFAD	MEFA	A	
141	FLOW REGULATOR	1110E	MEFAE	MEFA	A	
141	VALVE SHUTTLE	1110F	MEFAF	MEFA	A	
141	VALVE CHECK	1110G	MEFAG	MEFA	1	
141	VALVE PRESS RELIEF	1110H	MEFAH	MEFA	2	
141	VALVE PRESS REDUCER	1110J	MEFAJ	MEFA	4	
141	SWIVEL FITTING	1110K	MEFAK	MEFA	1	
141	PLUMBING	1110L	MEFAL	MEFA	1	
141	PRESSURE DOOR ACTUATION		MEGA	MEED		AAAAAAAAAA
141	ACTUATING CYLINDER	1110A	MEGAA	MEGA	A	
141	VALVE ACT CYL CONTROL	1110B	MEGAB	MEGA	A	
141	ACT CYL CLOSED PHS LOCK	1110C	MEGAC	MEGA	A	
141	VALVE LOCK ACT CYL CONT	1110D	MEGAD	MEGA	A	
141	FLOW REGULATOR	1110E	MEGAE	MEGA	A	
141	UNLOCK RELEASE CYLINDER	1110F	MEGAF	MEGA	A	
141	VALVE SHUTTLE	1110G	MEGAG	MEGA	A	
141	VALVE CHECK	1110H	MEGAH	MEGA	1	
141	PLUMBING	1110J	MEGAJ	MEGA	1	
141	SWITCH LIMIT-WARNING	1110A	MEGAK	MEGA	A	
141	SWITCH TOGGLE	1110B	MEGAL	MEGA	A	
141	CONTROL RELAY	1110C	MEGAN	MEGA	A	
141	WIRING	1110E	MEGAN	MEGA	1	
141	NORMAL ACTIVATION		MEHA	MEEA	MEJA	111111111
141	HYDRAULIC MOTOR	1110A	MEHAA	MEHA	A	
141	VALVE ACTUATOR CONTROL	1110B	MEHAB	MEHA	A	
141	CYLINDER LOCK ACTUATING	1110C	MEHAC	MEHA	A	
141	VALVE LOCK ACT CONTROL	1110D	MEHAD	MEHA	A	
141	FLOW REGULATOR	1110E	MEHAE	MEHA	A	
141	PLUMBING	1110F	MEHAF	MEHA	1	
141	HYDRAULIC STOP VALVE	1110G	MEHAG	MEHA	A	
141	SWITCH LIMIT WARNING	1110A	MEHAH	MEHA	A	
141	SWITCH 55-DEGREE	1110B	MEHAJ	MEHA	A	
141	SW PLUITS DOOR SELECT	1110C	MEHAK	MEHA	1	
141	CONTROL RELAY	1110D	MEHAL	MEHA	A	
141	WIRING	1110E	MEHAM	MEHA	1	
141	MANDAL ACTIVATION		MEJA	MEEA	K MEHA	AAAAAAAAAA
141	GEAR BOX	1110J	MEJAA	MEJA	A	
141	HAND CRANK	1110M	MEJAR	MEJA	A	
141	PARACHUTE SYSTEM		MEL	MEA		000000000

PGG095.JIR1 DATE = 02/04/79

FLIGHT SAFETY PREDICTION TECHNIQUE

0000000011111111222222333333444444555555666666777777777777
123456789012345678901234567890123456789012345678901234567890

141	EXTRACTION CHUTE PUMP	12EAF	MELA	MEL	1
141	HANDLE EXTRACTION CHUTE	12EAG	MELB	MEL	1
141	TENSION REGULATOR	12EAB	MELC	MEL	1
141	CABLE MAN CHUTE RELEASE	12EAD	MELD	MEL	1
141	UNLOCK EXTRACTION CHUTE	12EAK	MELF	MEL	1
141	WINCH EXTRACTION CHUTE	12EAL	MELF	MEL	1
141	RELAY AND CHUTE RELEASE	12EAA	MELG	MEL	2
141	INITIATOR DEVICE CH EXT	12EAB	MELH	MEL	1
141	INDICATOR LIGHT	12EAC	MELJ	MEL	1
141	SWITCH ADS MEN ARMED	12EAD	MELK	MEL	1
141	SOLENOID AIR DROP REL	12EAE	MELL	MEL	1
141	RELAY ADS ARMING	12EAF	MELM	MEL	2
141	RELAY CHUTE REL LIGHT	12EAG	MELN	MEL	1
141	RELAY RETRIEVER WINCH	12EAH	MELP	MEL	1
141	HANDLE RETR WINCH CONT	12EAI	MELQ	MEL	1
141	ADS ACTUATOR	12EAK	MELR	MEL	2
141	WIRING	12EAL	MELS	MEL	1
141	CARGO DROP PREPARATION		MEM	MEA	111111111
141	RESTRAINT RAIL ASSY	12EAA	MEMA	MEM	1
141	LOCK RESTRAINT RAIL	12EAB	MEMB	MEM	1
141	ROLLER RESTNT RAIL LOCK	12EAC	MEMC	MEM	1
141	RESTRAINT RAIL MECHANISM	12EAD	MEMD	MEM	1
141	QUICK DISCONNECT FITTING	12EAE	MEME	MEM	1
141	BUMPER PALLET RESTRAINT	12EAF	MEMF	MEM	0
141	ADS LINKS	12EAG	MEMG	MEM	1
141	LATCH	12EAP	MEMH	MEM	1
141	ADJUST MECHANISM	12EAB	MEMJ	MEM	1
141	CATCH RELEASE	12EAC	MEMK	MEM	1
141	REMOTE CONTROL	12EAD	MEML	MEM	1
141	HOUSING COVER	12EAE	MEMM	MEM	0
141	DETENT GOAL	12EAF	MEMN	MEM	1
141	NORMAL PWR GENERATION		UA	UAP	111111111
141	MAIN AC BUS NO 1		UAA	DCN	AAAAAAAAA
141	MAIN 115V BUS NO 1		UAA	EAC	SSSSSSSSS
141	MAIN 115V BUS NO 1		UAA	EAK	FAAAAAAAAA
141	MAIN 115V BUS NO 1		UAA	EAL	FAAAAAAAAA
141	MAIN 115V BUS NO 1		UAA	EAN	FAAAAAAAAA
141	MAIN 115V BUS NO 1		UAA	EAN	FAAAAAAAAA
141	MAIN 115V BUS NO 1		UAA	EAO	FAAAAAAAAA
141	MAIN AC BUS NO 1 115V		UAA	EAZ	F11111111
141			UAA	ECO	111111111
141	MAIN AC BUS NO 1 115V		UAA	COH	111111111
141	MAIN AC BUS NO 1 115V		UAA	EEA	FAAAAAAAAA
141	MAIN AC BUS NO 1 115V		UAA	EEB	FAAAAAAAAA
141	MAIN AC BUS NO 1-115VAC		UAA	UHCF	AAAAAAAAA
141	AC POWER GENERATOR NO 1		UAAA	EZAE	AAAAAAAAA
141	AC POWER GENERATOR NO 1		UAAA	BZYA	111111111
141	AC PWR GEN NO 1		UAAA	UA	4 UX
141	AC POWER GEN NO 1		UAAA	UA	5 UX
141	AC PWR GEN NO 1		UAAA	UAH	5 UX

PGG095.J1R1 DATE = 02/24/75

FLIGHT SAFETY PREDICTION TECHNIQUE

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000000000111111111222222223333333333444444445555555555666666667777777777
1234567890123456789012345678901234567890123456789012345678901234567890
141AC PWR GEN NO 1          UAAA          UAC      5 UX      AAAAAAAAAA
141AC PWR GEN NO 1          UAAA          UAC      5 UX      AAAAAAAAAA
141AC PWR GEN NO 1          UAAA          UAC      5 UX      AAAAAAAAAA
141 GENERATOR 30KVA         42CAA UAAAAA UAAA      A
141 GENERATOR LEADS         42CAC UAAAB UAAA      A
141 VOLTAGE REG              42CAE UAAAC UAAA      A
141 GEN PROTECTION PANEL    42CAF UAAAD UAAA      A
141 BUS PROTECTION PANEL    42CAG UAAAF UAAA      A
141 LOAD CONTROLLER         42CAV UAAAF UAAA      A
141PRIME BACKUP NO 1        UAB      K UAAO  AAAAAAAAAA
141 CONTACTOR-BUS TIE       42EAB UAAFA UAB      K UAAO  AAAAAAAAAA
141 SWITCH-AUTO LOAD DISCONNECT 42EAP UAABR UAAB      A
141 AC TIE BUS              42EAB UAABR UAAB      1
141PRIME-PRIME NO 1-2&3 OR 4 UAAC UAAB      A
141 CONTACTOR-GEN TIE       42EAB UAACA UAAC      A
141NORMAL BUS 1 1&2,3 OR 4 UAAD 6ZAA      111111111
141NORMAL BUS NO 1-1&2, OR 3 UAAD 6ZAA      111111111
141 SWITCH-GEN BUS TIE      42EAS UAADA UAAD      A
141 CONTACTOR-GEN TIE       42EAB UAADB UAAD      A
141 AC TIE BUS              42EAB UAADC UAAD      A
141ULTIMATE 1/2-3&4         UAAB      K UAAC  AAAAAAAAAA
141ULTIMATE 1/2-3&4         UAAB      K UAAC  AAAAAAAAAA
141 CONTACTOR-GEN TIE       42EAB UAABF UAAB      A
141GEN NO 1 DRIVE           UAAB      K UAAC  AAAAAAAAAA
141 CSO 7GEK                23SQP 23SQA UAABF UAAB      A
141 QUICK ATTACH DETACH CSO 23SQF UAABF UAAB      A
141 SHAFT DISCONNECT RESET HANEL 23SQG UAABF UAAB      1
141 SHAFT DISCONNECT        23SQH UAABF UAAB      1
141 CLUTCH ASSY-CSO         23SQJ UAABF UAAB      5
141 CSO 13MMSTRANDC         23SQA 23SQP UAABF UAAB      A
141PWR CONTROL NO 1         UAAL UAAB      A
141 SWICH-GEN CONTROL        42EAB UAABF UAAB      A
141CSO GIL NO.1             UAAM RUE      555555555
141 CSO GIL DISTRIBUTION    UAAM UAAB      A
141 PLUMBING                 23SQQ UAAM UAAM      2
141 WIRING                   23SSA UAAM UAAM      0
141OIL SYS STATUS INDICATION UAAN UATA      111111111
141 INDICATOR TEMP          23STA UAAN UAAN      A
141 RESISTANCE BULB         23STB UAAN UAAN      A
141OIL PRESSURE GENERATION UAAP UAAM      AAAAAAAAAA
141OIL PRESSURE GENERATION UAAP UAAN      FAAAAAAAAA
141 CASE RELIEF VALVE       23SRA UAAP UAAP      1
141 PUMP PRES & SCAVENGE    23SGB UAAP UAAP      A
141 TANK PRES REG VALVE     23SRC UAAP UAAP      3
141CHECK VALVE 22EAC        23SKD UAAP UAAP      1
141 SELECTOR CHECK VALVE 22EAC 23SRE UAAP UAAP      0
141 FILTER BY-PASS VALVE    23SRF UAAP UAAP      0
141 RECIRCULATING VALVE     23SRG UAAP UAAP      1
141 PRES RELIEF VALVE       23SKH UAAP UAAP      1

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FLIGHT SAFETY PREDICTION TECHNIQUE

D-111

PGC95.JIR1 DATE = 02/04/75

FLIGHT SAFETY PREDICTION TECHNIQUE

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0000000011111111222222223333333344444444555555556666666677777777
1234567890123456789012345678901234567890123456789012345678901234567890
141PWR CONTROL NO 2 UABL UAAA AAAAAAAAAA
141 SW-GEN CONT NO 2 42EAD UABLA UABL A
141CSO OIL NO.2 UABM BUE 555555555
141CSO OIL DISTRIBUTION UABM UABK AAAAAAAAAA
141 PLUMBING 23SQR UABMA UABM 2
141 WIRING 23SSA UABMB UABM 0
141 OIL SYS STATUS INDICATION UABN UATA 1 UABP 11111111
141 INDICATOR TEMP 23STA UABNA UABM A
141 RESISTANCE FOLR 23STB UABNH UABN A
141OIL PRES GENERATION UABP UABM AAAAAAAAAA
141OIL PRES GENERATION UABP UABN FAAAAAAAAA
141 CASE RELIEF VALVE 23SPA UABPA UABP 1
141 PUMP PRES & SCAVENGE 23SQD UABPB UABP A
141 TANK PRESS REG VALVE 23SRC UABPC UABP 3
141 CHECK VALVE 42EAC 23SPD UABPD UABP 1
141 SELECTOR CHECK VALVE 42EAC 23SRE UABPE UABP 0
141 FILTER BY-PASS VALVE 23SRF UABPF UABP 0
141 RECIRCULATING VALVE 23SPG UABPG UABP 1
141 PRESS RELIEF VALVE 23SEH UABPH UABP 1
141SCAVENGER RELIEF VALVE 23SRJ UABPJ UABP 0
141OIL COOLING UABQ UABM 888888888
141 CSO OIL COOLER 23SQN UABQA UABQ 5
141 PRES & THERM BY-PAS RELIEF 23SRB UABQB UABQ 2
141OIL SUPPLY UABR UABM AAAAAAAAAA
141 FILTER ELEMENT 23SQC UABPA UABR 1
141 FILTER ASSY 23SQD UABPB UABR 1
141 MAGNETIC DRAIN FLUG 23SQE UABPC UABR 0
141 MOUNTING STRAP OIL TANK 23SQK UABRD UABR 1
141 CSO-OIL TANK 23SQL UABRE UABR 8
141 CSO-OIL TANK FILLER CAP 23SQM UABRF UABR 0
141 TANK FILLER VALVE 23SRK UABRG UABR 0
141 CONTACTOR LOAD-MONITOR 42EAX UABW UAB A
141 SERVICE OUTLET 42FAH UABX UAB 0
141 OUTLET-ELECTRIC SHAVER 42CAD UABY UAB 0
141 MAIN AC BUS 42FAA UABZ UAB A
141MAIN 115VAC BUS NO 3 UAC CAUA 000000000
141MAIN 115VAC BUS NO 3 UAC MECA AAAAAAAAAA
141MAIN AC BUS NO 3-115VAC UAC UHCG AAAAAAAAAA
141AC POWER GENERATOR NO 3 UACA RZAE AAAAAAAAAA
141AC POWER GENERATOR NO 3 UACA BZYA 111111111
141AC PWR GEN NO 3 UACA UA 4 UX AAAAAAAAAA
141AC PWR GEN NO 3 UACA UA 5 UX AAAAAAAAAA
141AC PWR GEN NO 3 UACA UA 5 UX AAAAAAAAAA
141AC PWR GEN NO 3 UACA UA 5 UX AAAAAAAAAA
141AC PWR GEN NO 3 UACA UA 5 UX AAAAAAAAAA
141AC PWR GEN NO 3 UACA UA 5 UX AAAAAAAAAA
141AC PWR GEN NO 3 UACA UA 5 UX FAAAAAAAAA
141 GENERATOR 40KVA 42DAA UACAA UACA A
141 GENERATOR LEADS 42DAC UACAB UACA A
141 VOLTAGE REG 42FAA UACAC UACA A
141 GEN PROTECTION PANEL 42EAB UACAD UACA A

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FLIGHT SAFETY PREDICTION TECHNIQUE

D-113

PG0095.JIR1 DATE = 02/04/76

FLIGHT SAFETY PREDICTION TECHNIQUE

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000000000111111111222222222233333333334444444444555555555566666666667777777777
12345678901234567890123456789012345678901234567890123456789012345678901234567890
141 TANK FILLER VALVE 23SKN UACRG UACK 0
141 CONTACTOR LOAD-MONITOR 42IAX UACX UAC A
141 SERVICE OUTLET 42FAH UACY UAC 0
141 MAIN AC BUS 42FAA UACZ UAC A
141 MAIN 115V BUS NO 4 UAD EAC 5010000020
141 MAIN 115V BUS NO 4 UAD EAL FAAAAAAAAA
141 MAIN 115V BUS NO 4 UAD EAM FAAAAAAAAA
141 MAIN 115V BUS NO 4 UAD EAO FAAAAAAAAA
141 MAIN 115V BUS NO 4 AC UAD FD 11111111
141 MAIN AC BUS NO 4 UAD MEB AAAAAAAAAA
141AC POWER GENERATOR NO 4 UADA BZAE AAAAAAAAAA
141AC POWER GENERATOR NO 4 UADA BZYA 11111111
141AC PWR GEN NO 4 UADA UA 4 UX AAAAAAAAAA
141AC PWR GEN NO 4 UADA UAA 5 UX AAAAAAAAAA
141AC PWR GEN NO 4 UADA UAH 5 UX AAAAAAAAAA
141AC PWR GEN NO 4 UADA UAC 5 UX AAAAAAAAAA
141AC PWR GEN NO 4 UADA UAD 5 UX AAAAAAAAAA
141AC PWR GEN NO 4 UADA UAKE FAAAAAAAAA
141 GENERATOR LEADS 42DAC UADAB A
141 VOLTAGE REG 42EAA UADAC A
141GEN PROTECTION PANEL 42FAH UADAD A
141 BUS PROTECTION PANEL 42EAC UADAE A
141 LOAD CONTROLLER 42EAV UADAF A
141PRIMARY BACK UP NO 4 UADH BZAD K UADC AAAAAAAAAA
141PRIME BACKUP NO 4 UADH K UADC AAAAAAAAAA
141CONTACTOR-BUS TIE 42EAH UADRA A
141 SWITCH-AUTO LOAD DISCONNECT 42EAR UADRB 1
141 AC TIE BUS 42FAB UADBC A
141NORMAL BUS NO 4 4&1,2 OR 3 UADC BZAD 11111111
141NORMAL BUS NO 4-4&1,2 OR 3 UADC UADR 11111111
141 CONTACTOR-BUS TIE 42EAH UADCA A
141 SWITCH-GEN BUS TIE 42EAS UADCB A
141 AC TIE BUS 42FAB UADCC A
141PRIME-PRIME NO 3-4&1 OR 2 UADG UADF 11111111
141 CONTACTOR-GEN TIE 42EAH UADDA A
141ULTIMATE 3/4 - 1 & 2 UADF UACB K UADG AAAAAAAAAA
141ULTIMATE 3/4 - 1 & 2 UADF UADB K UADG AAAAAAAAAA
141 CONTACTOR-GEN TIE 42EAH UADFA A
141GEN NO 4 DRIVE UALK UADA AAAAAAAAAA
141 CSD (GE) 23SOA UADKA A
141 JUICK ATTACH DETACH CSD 23SQF UADKB 1
141 SHAFT DISCON RESET HANDLE 23SQG UADKC 0
141 SHAFT DISCONNECT 23SQH UADKD 5
141 CLUTCH ASSY-CSD 23SOJ UADKE A
141 CSD SUNSTRAND 23SQP UADKF A
141PWR CONT NO 4 UADL UADA AAAAAAAAAA
141 SW-GEN CONT NO 4 42EAW UADLA A
141CSD OIL NO.4 UADM BUE 55555555
141CSD OIL DISTRIBUTION UADM UADK AAAAAAAAAA
141 PLUMBING 23SQO UADMA UADM 2

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FLIGHT SAFETY PREDICTION TECHNIQUE

D-115

PG0095.J1R1 DATE = 02/04/76

FLIGHT SAFETY PREDICTION TECHNIQUE

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0000000011111111222222222233333333334444444444555555555566666666667777777777
1234567890123456789012345678901234567890123456789012345678901234567890
141BUS NO 1-26VAC UALA UHCM 111111111
141 XPRR-ENG INSTRUMENT 42EAN UAF4A UAFA A
141 ESSENTIAL AC BUS 42FAC UAFAH UAFA A
141 ESSENTIAL NO 1 BACKUP UAER UAER K UAR AAAAAAA
141 RELAY ESSENTIAL BUS POWER 42EAE UAEDA BZYB A
141 RELAY-ESSENTIAL BUS PWR 42EAE UAERA UAER A
141 PRIMARY BACK UP NO1 UAEC BZYB 111111111
141 PRIMARY BACKUP NO 1 UAEC UAER 111111111
141 SECONDARY BACK UP NO1 UAEE BZYB 111111111
141 SECONDARY BACKUP NO 1 UAEE UAER 111111111
141 CONTACTOR-GEN TIE 42EAH UAFFA UAEE A
141 MULTI FEED UAFF CBA S111111111
141 MULTI FEED UAFF DAC S111111111
141 MULTI FEED UAFF DPCA S111111111
141 MULTI FEED UAFF DCE S111111111
141 MULTI FEED UAFF DDBD SAAAAA
141 MULTI FEED UAFF DEA S111111111
141 MULTI FEED UAFF EA F11111111
141 MULTI FEED UAFF FCC AAAAAA
141 MULTI FEED UAFF FCM S111111111
141 MULTI FEED UAFF FDK S111111111
141 MULTI FEED UAFF FFLC SAAAAA
141 MULTI FEED UAFF FGV SAAAAA
141 MULTI FEED UAFF FJA S00000110
141 MULTI FEED UAFF FTM SAAAAA
141 MULTI-FEED UAFF UAE FAAAAA
141 MULTI-FEED UAFF UAFF FAAAAA
141 MULTI-FEED UAFF UAG UC F11111111
141 MULTI-FEED UAFF UAH UC F11111111
141 MULTI-FEED UAFF URM AAAAAA
141 MULTI FEED UAFF UHAG SAAAAA
141 MULTI FEED UAFF UHBD SAAAAA
141 MULTI FEED UAFF UHCM SAAAAA
141 RELAY ESSENTIAL BUS POWER 42EAE UAFFA BZY A
141 RELAY-ESSENTIAL BUS PWR 42EAE UAFFA UAER A
141 ESSENTIAL AC BUS 42FAC UAEE2 UAE A
141 AVIONICS AC BUS NO1 UAF CAH AAAAAA
141 AVI AC BUS NO 1 UAF CRON SAAAAA
141 AVIONICS AC BUS NO.1 UAF CBOP FAAAAA
141 AVIONICS 115VAC BUS NO 1 UAF CBDO FAAAAA
141 AVIONICS AC BUS NO.1 UAF CBFH FAAAAA
141 AVICS AC BUS NO1 UAF DAER AAAAAA
141 NAV AC BUS NO 1 UAFA CRDA S111111111
141 NAV AC BUS NO 1 UAFA CBDE F11111111
141 NAV AC BUS NO.1 UAFA CHDE FAAAAA
141 NAV AC BUS NO.1 UAFA CBDJ FAAAAA
141 NAV AC BUS NO.1 UAFA CBDM FAAAAA
141 AC NAV BUS NO.1 UAFA FJA AAAAAA
141 AC NAV BUS NO.1 UAFA FKA 111111111
141 NAV AC NO 1 115VAC UAFA FTM AAAAAA

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FLIGHT SAFETY PREDICTION TECHNIQUE

D-117

PGG95.J121 DATE = 02/04/70

FLIGHT SAFETY PREDICTION TECHNIQUE

000000000111111111222222222233333333334444444444555555555566666666667777777777			
1234567890123456789012345678901234567890123456789012345678901234567890			
1+1 ISOLATED AC BUS	42FAF UAGF	UAG	A
141ISOLATED 115VAC AVIONICS BUS	UAH	CAJA	AAAAA
141 ISOL AVICS AC BUS	UAH	DDND	FAAAAAA
141ISOLATED AVIONICS AC BUS	UAH	UAMA	AAAAA
141ISOLATED 26VAC AVIONICS BUS	UAMA	CPEG	11111111
1+1 ISOL 26V AC	UAMA	DEA	AAAAA
141 AFORMER-STEP DOWN NAV INSTR 42EAM	UAMA	UAMA	A
141 ISOLATED AC NAV BUS	42FAG UAHAS	UAMA	A
141 RELAY-ISOLATED BUS POWER	42FAG UAHB	UAH	5
141 ISOLATED AC BUS	42FAF UAHG	UAH	A
141AVIONICS AC BUS NO2	UAJ	CAZZY	S11111111
141AVIONICS AC BUS NO2	UAJ	CAH	FAAAAAA
141AVIONIC AC BUS NO 2	UAJ	CAUH	FAAAAAA
141AVIONICS AC BUS NO.2	UAJ	CRE	11111111
141 AVICS AC BUS NO 2	UAJ	CCG	AAAAA
141 AVICS AC BUS NO 2	UAJ	DCL	FAAAAAA
141AVIONICS AC BUS NO2 ACTIVE	UAJA	CAZZY	S11111111
141AVO AC BUS NO 2	UAJA	CRA	K UAF S55555555
141AVIONICS AC BUS NO2 ACTIVE	UAJA	DACH	S11111111
141AVIONICS AC BUS NO2 ACTIVE	UAJA	DGF	S11111111
141AVIONICS AC BUS NO2 ACTIVE	UAJA	DCG	SAAAAA
141 AVIONICS AC BUS NO 2 ACTIVE	UAJA	FGV	S11111111
141AVIONICS AC BUS NO 2 ACTIVE	UAJA	UAFA	F11111111
141AVIONICS AC BUS NO 2 ACTIVE	UAJA	UAJ	FAAAAAA
141 AVIONICS BUS	42FAD UAJX	UAJ	A
141ESSENTIAL AC BUS NO 2	UAK	BADD	FAAAAAA
141ESSENTIAL AC BUS NO 2	UAK	BAUG	FAAAAAA
141ESSENTIAL AC BUS NO 2	UAK	BAGF	FAAAAAA
141ESSENTIAL AC BUS NO 2	UAK	BAKD	FAAAAAA
141ESSENTIAL AC BUS NO 2	UAK	BAKG	FAAAAAA
141ESSENTIAL AC BUS NO 2	UAK	BANF	FAAAAAA
141ESSENTIAL AC BUS NO.2	UAK	BEF	AAAAA
141 ESSENTIAL 115V BUS NO 2	UAK	EAP	FAAAAAA
141 ESSENTIAL 115V BUS NO 2	UAK	EBG	AAAAA
141 ESS 115 BUS NO 2	UAK	FRK	FAAAAAA
141 ESSENTIAL AC BUS NO 2 115V	UAK	ECC	11111111
141 ESSENTIAL AC BUS NO 2 115V	UAK	ECE	FAAAAAA
141 ESSENTIAL AC BUS NO 2 115V	UAK	EEA	FAAAAAA
141 ESSENTIAL AC BUS NO 2 115V	UAK	EEB	FAAAAAA
141 ESSENTIAL AC BUS NO 2 115V	UAK	EFC	11111111
141 ESSENTIAL AC BUS NO.2	UAK	FGV	11111111
141 ESSENTIAL 115VAC	UAK	FTG	AAAAA
141ESSENTIAL AC BUS NO 2	UAK	UAKA	AAAAA
141 ESSENTIAL NO.2 BUS AC	UAK	UAMN	55555555
141ESSENTIAL AC BUS NO 2 115VAC	UAK	UHA6	AAAAA
141 ELECT POWER ESS AC BUS NO2	UAK	LUKQ	AAAAA
141 ELECT POWER ESS AC BUS NO2	UAK	RIKQ	AAAAA
141ESS AC BUS NO2	UAK	UZZZZ	K UAE S11111111
141 ESSENTIAL AC BUS NO 2 115V	UAKA	FAZ	11111111
141 26V AC BUS NO 2	UAKA	EDN	11111111

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0000000011111111122222222333333334444444555555566666667777777778
1234567890123456789012345678901234567890123456789012345678901234567890
141 26VAC BUS NO 2 UAKA FAR AAAAAAAAAA
141 BUS NO 2-26VAC UAKA UPRM 111111111
141 XFR-ENG INSTRUMENT 42EAA UAKAA UAKA A
141 ESSENTIAL AC BUS 42EAC UAKAB UAKA A
141 MULTI-FUEL UAKB UAJA AAAAAAAAAA
141 MULTI-FUEL UAKB UAK AAAAAAAAAA
141 MULTI-FUEL UAKB UBN AAAAAA
141 RELAY-ESSENTIAL BUS PWR 42EAE UAKBA UAKB K UAK AAAAAAAAAA
141 ESSENTIAL NO 2 BACKUP UAKC UAKC A
141 RELAY-ESSENTIAL BUS PWR 42EAE UAKCA UAKC A
141 SECONDARY BACKUP NO 2 UAKC UAKC 111111111
141 CONTACTOR-GEN TIE 42EAB UAKDA UAKD A
141 PRIMARY BACKUP NO 2 UAKE UAKC 111111111
141 ESSENTIAL AC BUS 42EAC UAKZ UAK A
141 EXTERNAL POWER DIST UAL BZAE 00000000
141 EXTERNAL POWER DIST UAL BZYA 00000000
141 GRO/EXT PWR DISTRIBUTION UAL UAA 00000000
141 GRO/EXT PWR DISTRIBUTION UAL UAB 00000000
141 GRO/EXT PWR DISTRIBUTION UAL UAC 00000000
141 GRO/EXT PWR DISTRIBUTION UAL UAC 00000000
141 GRO/EXTERNAL PWR DIST UAL UAK UA 00000000
141 EXTERNAL AC PWR UALA UAL 10000001
141 AC PWR RECEPTACLE 42EAA UALAA UALA A
141 EXT PWR CONTACTOR 42EAB UALAB UALA A
141 CONTACTOR-EXTERNAL AC/APU 42EAB UALB UAL A
141 SW-PWR SELECT/APU EXT 42EAB UALC UAL A
141 APU GEN PWR UAM UAL 10000001
141 APU CONTROL UAM UAM AAAAAAAAAA
141 CONTROL SWITCH 42EAC UAMAA UAMA A
141 GENERATOR-APU 42EAB UAMB UAM A
141 APU VOLTAGE REGULATOR 42EAB UAMC UA1 A
141 APU-ROTATION UAND UANK FAAAAAAAAA
141 APU-ROTATION UAND UA12 AAAAAA
141 COMPRESSOR INLET SCREEN 24CAC UAMDA UAMU 1
141 TURBINE WHEEL 24CAN UAMDB UAMU A
141 TURBINE TORUS ASSY 24CAP UAMDC UAMU A
141 TURBINE WHEEL EXDUCER 24CAQ UAMDD UAMU A
141 TURBINE EXHAUST FLANGE 24CAR UAMDE UAMU A
141 ROTATING ASSY FAN 24CAZ UAMDF UAMKX 8
141 BLEED AIR VALVE ACTUATOR 24EAA UAMDG UAMKX A
141 BLEED LOAD CONT THERMOSTAT 24EAB UAMDH UAMKX 5
141 AIR PRESS REG 24EAF UAMDJ UAMKX 8
141 GEN COOLING AIR DUCT 24EAG JAMDK UAMKX 8
141 COOLING AIR EXHAUST DUCT 24EAB UAMDL UAMKX 8
141 COOLING AIR EXHAUST Y DUCT 24EAB UAMDM UAMKX 3
141 ACCEL & D-TEMP VAL THERM 24EAK UAMDN UAMKX 5
141 LOUVER ASSY INTAKE 110AA UAMOP UAMK 5
141 LOUVER ASSY EXHAUST 110AB UAMOC UAMD 5
141 RUO END ACTUATOR 110AC UAMOR UAMD 5
141 LINK 110AD UAMOS UAMD A

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00000000111111111122222222333333333344444444445555555555666666666677777777778
1234567890123456789012345678901234567890123456789012345678901234567890
141 ACTUATOR #2 EAC 110FA UAMGT UAMD H
141 WIRING 110BC UAMDU UAMD 1
141APU CONTROL UAME UAMD AAAAAAAAAA
141 CENTRIFUGAL SW 24DAC UAMFA UAME A
141 LIMIT SWITCH-35 24DAC UAMFB UAME A
141 LIMIT SWITCH-95 24DAE UAMFC UAME A
141 LIMIT SWITCH-110 24DAF UAMFD UAME A
141 LOW OIL PRESSURE SW 24DAG UAMEE UAME A
141 HIGH OIL TEMP SW 24DAH UAMEF UAME A
141 HOLDING RELAY HR NO 1 24DAK UAMEG UAME A
141 HOLDING RELAY HR NO 2 24DAL UAMEH UAME A
141 HIGH OIL TEMP RELAY 24DAM UAMEJ UAME A
141 ELECT JUNCTION BOX 24DAQ UAMEK UAME 1
141 WIRING 24DAS UAMEL UAME 1
141 BLEED AIR CONT SOLE VALVE 24EAB UAMEM UAMKX A
141 LOAD CONT & SHUT OFF VALVE 24EAD UAMEN UAME A
141 SW ASSY FIRE CONT HAND 82L449FBD UAMEP UAME A
141 SW LOUVER CONTROL 110BF UAMEQ UAME 5
141 TOUCHDOWN SWITCH #2 EAC 13ACA UAMER UAME A
141 TOUCHDOWN RELAY #2 EAC 13ACB UAMES UAME A
141 COMBUSTION UAMF UAMD AAAAAAAAAA
141 ATOMIZER 24AAM UAMFA UAMF A
141 COMBUSTION CHAMBER LINER 24CAK UAMFB UAMF A
141 SHAFT ASSY-COMPRESS/TURBINE 24CAJ UAMFC UAMD A
141 TURBINE REAR BEARING 24CAL UAMFD UAMD A
141 NOZZLE ASSY TURBINE 24CAM UAMFE UAMD A
141 COOLING AIR DUCT FAN 24CAS UAMFF UAMH 8
141 CAP COMBUSTION AIR CHAMBER 24CAU UAMFG UAMF A
141 LUBE OIL SUPPLY UAMG UAMD AAAAAAAAAA
141 OIL TANK 24BAA UAMGA UAMG A
141 OIL TANK FILLER CAP 24BAB UAMGB UAMG 0
141 OIL TANK DRAIN VALVE 24BAC UAMGC UAMG 1
141 OIL PUMP-PRESSURE 24BAD UAMGD UAMG A
141 OIL PUMP-SCAVENGE 24BAE UAMGE UAMG A
141 OIL FILTER ASSY 24BAF UAMGF UAMG 1
141 OIL FILTER ELEMENT 24BAG UAMGG UAMG 1
141 OIL FILTER BY-PASS VALVE 24BAH UAMGH UAMG 1
141 OIL CLUSTER 24BAK UAMGJ UAMG 0
141 PRESSURE REGULATING VALVE 24BAN UAMGK UAMG 2
141 ACCESSORY SECTION DRAIN VAL 24BAO UAMGL UAMG 1
141 PLUMBING 24BAP UAMGM UAMG 1
141 OIL COOLING UAMH UAMG 8888888888
141 OIL COOLER 24RAJ UAMHA UAMH 8
141 THERMOSTATIC BY-PASS VALVE 24BAL UAMHB UAMH 3
141APU FUEL SUPPLY UAMJ UAMF AAAAAAAAAA
141 ACCEL & OVER TEMP CONT VALV 24AAB UAMJA UAMJ A
141 CONSTANT SPEED GOVERNOR 24AAC UAMJB UAMJ A
141 FUEL FILTER 24AAD UAMJC UAMJ 1
141 FILTER ELEMENT 24AAE UAMJD UAMJ 1
141 PRESSURE RELIEF VALVE 24AAF UAMJE UAMJ 5

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141 PLUMBING	24CAP	UAMJF	UAMJ		1
141 COMPRESSION		UAMK	UAME		AAAAAAAAAA
141 COMPRESSION		UANK	UANKX		AAAAAAAAAA
141 INTAKE PLENUM	24CAD	UAMKA	UAMK		A
141 INTER-STAGE DUCT ASSY	24CAE	UAMKB	UAMK		A
141 COMPRESSOR THRUST BEARING	24CAF	UAMKC	UAND		A
141 POWER OUTPUT DRIVE SHAFT	24CAG	UAMKD	UAMZ		A
141 SPLINE-POWER OUTPUT DRIVE	24CAH	UAMKE	UAMZ		A
141 COMPRESSOR WHEEL 1ST STAGE	24CAV	UAMKF	UAMK		A
141 COMPRESSOR WHEEL 2ND STAGE	24CAW	UAMKG	UAMK		A
141 HOUSING 1ST STAGE COMP	24CFL	UAMKH	UANK		A
141 HOUSING 2ND STAGE COMP	24CAZ	UAMKJ	UANK		A
141APU AIR		UAMKX	BEX		AAAAAAAAAA
141APU AIR		UAMKX	PJR		CCCCCCCC
141APU START		UAML	UAMD		FACCCCCC
141APU START		UAML	UAME		A00CCCCC
141 CLUTCH ASSY STARTER	24CAT	UAMLA	UAML		A
141 IGNITER PLUG	24DAA	UAMLB	UAML		A
141 IGNITER LEAD	24DAE	UAMLC	UAML		A
141 SWITCH ACCUMULATOR SELECT	24EAR	UAMLD	UAML		5
141 STARTER/MOTOR HYDRAULIC	24FAA	UAMLF	UAML		A
141 SOLENOID-OP SHUTOFF VALVE	24FAB	UAMLF	UAML		A
141 VALVE CHECK	24FAC	UAMLG	UAML		1
141 FLOW REGULATOR	24FAD	UAMLH	UAML		5
141 START SOURCE ACCUM 42 PAC	24FAE	UAMLI	UAML		1
141 PLUMBING	24FAF	UAMLK	UAML		1
141APU FUEL CONTROL		UAMM	UAMJ		AAAAAAAAAA
141 FUEL CONTROL UNIT	24AAA	UAMMA	UAMN		A
141 ACCEL & OVER TEMP CONT THEN	24AAH	UAMMB	UAMN		A
141 RELAY-FUEL SHUTOFF	24AAJ	UAMMC	UAMN		A
141 VALVE SHUTOFF FUEL CONT	24AAK	UAMMD	UAMN		A
141 VALVE SHUTOFF FIREWALL	24AAL	UAMME	UAMN		A
141APU SYSTEM INDICATION		UAMN	UAMP	I UAML	11111111
141 HOURMETER	24LAN	UAMNA	UANN		C
141 START COUNTER	24OAP	UAMNB	UAMN		C
141 INDICATOR-TEMP	24CAA	UAMNC	UAMN		A
141 THERMOUPLE	24GAF	UAMND	UAMN		A
141 THERMOUPLE HARNESS	24GAG	UAMNE	UAMN		1
141 WIRING	24GAD	UAMNF	UAMN		1
141GROUND CREW ACTION		UAMP	UAME		AAAAAAAAAA
141 APU FIRE EXTINGUISHER		UAMO	UAME	X	AAAAAAAAAA
141 BOTTLE/APU FIRE EXTING	49AAC	UAMQAC	UAMQ		A
141 INDICATOR-DISCHARGE DISC	49AAD	UAMQAD	UAMQ		O
141 VALVE-DIRECTIONAL FLOW	49AAF	UAMQAF	UAMQ		O
141 VALVE-OPAIN	49AAG	UAMQAG	UAMQ		O
141 PRESSURE GAUGE	49AAH	UAMQAH	UAMQ		O
141 PLUMBING	49AAL	UAMQAL	UAMQ		1
141 PILOT ACTION		UAMR	UAMR		AAAAAAAAAA
141 SWITCH-BOTTLE SELECTOR	49AAB	UAMRAB	UAMR		A
141 SWITCH/APU AGENT DISCHARG	49AAE	UAMRAE	UAMR		A

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00000000111111112222223333333344444444555555556666666677777777
123456789012345678901234567890123456789012345678901234567890
141 APU FIRE STATUS 44PAR UAMS UAMP 44444444
141 FIRE WARNING LIGHT 44PAR UAMSAK UAMS A
141 APU DRIVE ACCESSORY UAMZ UAM AAAAAA
141 APU DRIVE ACCESSORY UAMZ UAMN FAAAAA
141 APU MOUNT SUPPORT 24CAA UAMZA UAMZ 2
141 APU VIBRATION MOUNT 24CAB UAMZB UAMZ 4
141 ACCESSORY DRIVE ASSY 24CAX UAMZC UAMZ A
141 REDUCTION GEAR ASSY PLANTY 24CAY UAMZD UAMZ A
141 ACCESSORY DRIVE HOUSING 24CAB UAMZT UAMZ A
141 POWER STATUS MONITORING UAN UANC I UAZ 22222222
141 AUTOMATIC SWITCHING UANA UAKC 11111111
141 XFMR-REAL LOAD DIV CUR 42EA42EAK UANAA UANA A
141 XFMR-DIFF FAULT CUR 42EAC 42EAL UANAB UANA A
141 UNDER SPEED PRES SW 9942Y UANAC UANA A
141 MANUAL SWITCHING UANB UAKC 11111111
141 SWITCH-OSL DISCONNECT 42LAC42EAP UANBA UANB 1
141 SWITCH-PWR DISCONNECT 42EAT UANBB UANB 1
141 AIR CREW ACTION UANC UANB AAAAAA
141 LOAD METER 2EA 42EBA UAND UAN 3
141 XFMRER CURRENT 42EBB UANE UAN 3
141 VOLTMETER 42EBC UANF UAN 3
141 FREQUENCY METER 42EBD UANG UAN 1
141 SELECTOR SWITCH PHASE 42EBE UANH UAN 3
141 SEL SW VOLTAGE/FREQ 42EBF UANJ UAN A
141 METER ETI 42EBD UANK UAN 0
141 DISTRIBUTION EQUIPMENT UAJ UAR 00000000
141 WIRING-CONTROL 42EAY UAQA UAQ 0
141 WIRING-DIST 42EAJ UAQB UAQ 0
141 PRESSURE SEALS 42HAA UAQC UAQ 1
141 TERMINAL STRIPS 42HAB UAQD UAQ 1
141 TERMINAL STRIP COVERS 42HAC UAQE UAQ 0
141 FLAY COVER 42HAD UAQF UAQ 0
141 RECTIFIER BASE 42HAF UAQH UAQ 0
141 FUSE 42HAG UAQJ UAQ 1
141 FUSE HOLDER 42HAH UAQK UAQ 0
141 RESISTOR 42HAJ UAQL UAQ 2
141 CIRCUIT BREAKER 42HAK UAQM UAQ A
141 CONNECTORS 42HAL UAQN UAQ A
141 WIRING 42HAM UAQP UAQ 0
141 CONDUIT 42HAN UAQQ UAQ 0
141 MAIN AC DISTRIBUTION UAK UAEF UAES 11111111
141 MAIN AC DISTRIBUTION UAR UAKB F11111111
141 AIR CREW ACTION UATA UATR AAAAAA
141 MANUAL SWITCHING UATB BZYB 11111111
141 MANUAL SWITCHING UATB UAFB 11111111
141 SWITCH-OSL DISCONNECT 42EAC42EAP UATRA UATA 1
141 SWITCH-PWR DISCONNECT 42EAT UATB UATB 1
141 AUTO SWITCHING UATC BZYB 11111111
141 AUTOMATIC SWITCHING UATC UAEB 11111111
141 XFMR-REAL LOAD DIV CUR 42EA42EAK UATCA UATC A

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00000000001111111111222222222233333333334444444444555555555566666666667777777777	1234567890123456789012345678901234567890123456789012345678901234567890			
141 XPR-DIFF FAULT CUP 42-AK	42EAL	UATCB	UATC	A
141 UNDER-SPEED PRES SW 42-AK	42EAY	UATCC	UATC	A
141 PWR MONITORING		UATD	UATA	I MAP 222222222
141 LOAD METER	42EBA	UATDA	UATD	3
141 XPR-CURRENT	42EBB	UATDB	UATD	3
141 VOLT METER	42EBC	UATDC	UATD	3
141 FREQ METER	42EBD	UATDD	UATD	1
141 SELECTOR SWITCH-PHASE	42EBE	UATDE	UATD	3
141 SEL SW-VOLT & FREQ	42EBF	UATDF	UATD	A
141 METER ETI-	42EBG	UATDG	UATD	0
141 CONTACTOR-GEN TIE 4 EA	42EAB	UAW	BZYA	1
141 CONTACTOR-GEN TIE 4EAK	42EAB	UAW	UA	1
141 CONTACTOR-BUS TIE 4 EA	42EAB	UAX	BZYA	1
141 CONTACTOR-BUS TIE 4EAK	42EAB	UAX	UA	1
141 AC TIE BUS	42EAB	UAY	BZYA	A
141 AC TIE BUS	42EAB	UAY	UA	A
141 SWITCH-GEN BUS TIE	42EAS	UAZ	BZYA	1
141 SWITCH-GEN BUS TIE 4EAK	42EAS	UAZ	UA	1
141 NORMAL DC POWER DIST	UB		BE3	SAAAAAAAAA
141 NORMAL DC POWER DIST	UB		BEL	S111111111
141 NORMAL DC POWER DIST	UB		CAZZ	S222222222
141 NORMAL DC POWER DIST	UB		CBDA	S111111111
141 NORMAL DC POWER DIST	UB		CBF	S111111111
141 NORMAL DC POWER DIST	UB		CC	SAAAAAAAAA
141 NORMAL DC POWERDIST	UB		DAFH	SAAAAAAAAA
141 NORMAL DC POWERDIST	UB		DCH	S111111111
141 NORMAL DC POWERDIST	UB		DOB	SAAAAAAAAA
141 NORMAL DC POWERDIST	UB		ODC	SAAAAAAAAA
141 NORMAL DC DISTRIBUTION	UB		EA	UC S111111111
141 NORMAL DC DISTRIBUTION	UB		EB	UC S111111111
141 NORMAL DC DISTRIBUTION	UB		EC	UC S111111111
141 NORMAL DC DISTRIBUTION	UB		EDA	UC S111111111
141 NORMAL DC DISTRIBUTION	UB		EF	UC S111111111
141 NORMAL DC POWER DIST	UB		FA	SAAAAAAAAA
141 NORMAL DC POWER DIST	UB		FCC	S111111111
141 NORMAL DC POWER DIST	UB		FDB	S111111111
141 NORMAL DC POWER DIST	UB		FE	SC11111130
141 NORMAL DC POWER DIST	UB		FFJ	SAAAAAAAAA
141 NORMAL DC POWER DIST	UB		FGV	SAAAAAAAAA
141 NORMAL DC POWER DIST	UB		GAA	S111111111
141 NORMAL DC POWER DIST	UB		GBA	S111111111
141 NORMAL DC POWER	UB		ME	SAAAAAAAAA
141 NORMAL DC POWER DIST	UB		UBA	F44444444
141 NORMAL DC POWER DIST	UB		UBB	F44444444
141 NORMAL DC POWER DIST	UB		UBC	F44444444
141 NORMAL DC POWER DIST	UB		UBD	F44444444
141 NORMAL DC DISTRIBUTION	UB		UBG	F44444444
141 NORMAL DC POWER DIST	UB		UHA	111111111

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000000001111111122222222333333334444445555556666667777777777
1234567890123456789012345678901234567890123456789012345678901234567890
141NORMAL DC POWER DIST      UH      UH0      111111111
141NORMAL DC POWER DIST      UH      UH0R     222222222
141NORMAL DC POWER DIST.     UH      UZ2ZZ     111111111
141MAIN DC BUS NO 1          USA      BACD      FAAAAAAAAAA
141MAIN DC BUS NO 1          UHA      BAFD      FAAAAAAAAAA
141MAIN DC BUS NO 1          UJA      BAFM      FAAAAAAAAAA
141MAIN DC BUS NO 1          UHA      BAJG      FAAAAAAAAAA
141MAIN DC BUS NO 1          UHA      BAMD      FAAAAAAAAAA
141MAIN DC BUS NO 1          UHA      BZMJ      FAAAAAAAAAA
141MAIN DC BUSS NO. 1        UHA      BEB      AAAAAAAAAAA
141MAIN DC BUSS NO.1        UBA      BEK      FAAAAAAAAAA
141MAIN DC BUSS NO.1        UBA      BML      FAAAAAAAAAA
141MAIN DC BUS NO.1         USA      CAC      111111111
141MAIN DC BUS NO 1          UHA      CAF      S111111111
141MAIN DC BUS NO.1         UHA      CAFH     FAAAAAAAAAA
141MAIN DC BUS NO 1         UBA      CBFJ     FAAAAAAAAAA
141MAIN DC BUS NO 1 24V     UHA      EAZ      111111111
141MAIN DC BUS NO 1 24V     UBA      ECF      111111111
141MAIN DC BUS NO 1 26V     UBA      ECS      FAAAAAAAAAA
141MAIN 24V BUS NO 1 DC     UBA      ED       111111111
141MAIN DC BUS NO 1 26V     UBA      EFB      111111111
141MAIN DC BUS NO 1         UHA      FAN      AAAAAAAAAAA
141MAIN DC 24V NO 1         UBA      FCCA     AAAAAAAAAAA
141MAIN DC NO.1             UHA      FCH      FAAAAAAAAAA
141MAIN DC 28V NO.1         UBA      LFESA     AAAAAAAAAAA
141MAIN DC 26V NO.1        UHA      RFEEA     AAAAAAAAAAA
141MAIN DC NO 1            UBA      FEHE     FAAAAAAAAAA
141MAIN DC NO.1            UBA      FFJ      AAAAAAAAAAA
141MAIN DC BUS NO.1        UBA      FGV      111111111
141MAIN DC NO 1            UBA      FTE      AAAAAAAAAAA
141MAIN DC NO 1            UBA      FTK      FAAAAAAAAAA
141MAIN 28V DC NO 1        UBA      GAD      SAAAAAAAAAA
141MAIN 28V DC #1         UBA      GADC     F00000000
141MAIN 28V DC #1         UBA      GADF     FAAAAAAAAAA
141MAIN 28VDC NO 1        UBA      GRJ      AAAAAAAAAAA
141MAIN DC BUS NO 1        UBA      UAAH     FAAAAAAAAAA
141MAIN DC BUS NO 1        UBA      UAHN     FAAAAAAAAAA
141MAIN DC BUS NO 1        UBA      UAN      FAAAAAAAAAA
141MAIN DC BUS NO 1        UBA      UATD     FAAAAAAAAAA
141MAIN DC BUS NO 1 28VDC  UBA      UHAEA     AAAAAAAAAAA
141MAIN DC BUS NO 1-28VDC  UBA      UHHH     AAAAAAAAAAA
141MAIN DC BUS NO 1        UBA      UHCFA     AAAAAAAAAAA
141MAIN DC BUS NO 1-28VDC  UBA      UHCM     FAAAAAAAAAA
141MAIN DC BUS NO1         UHA      UZZZZ     S111111111
141MAIN DC BUS              42CAA  UHAA     URA      A
141MAIN DC AVIONICS BUS NO.1 UHA      CAC      F111111111
141MAIN DC AVIONIC BUS NO.1 UHB      CAH      AAAAAAAAAAA
141MAIN DC AVO BUS NO 1    UHB      CBOA     S111111111
141MAIN DC AVIONICS BUS NO 1 UHA      CROB     F111111111
141MAIN DC AVIONICS BUS NO 1 UBB      CHDE     FAAAAAAAAAA

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000000000111111111222222223333333334444444455555555666666667777777788			
1234567890123456789012345678901234567890123456789012345678901234567890			
141MAIN DC AVIONICS BUS NO.1	UBP	CLDF	F111111111
141MAIN DC AVIONICS BUS NO.1	UBB	CRDJ	FAAAAAA.AAA
141MAIN DC AVIONICS BUS NO.1	UBB	COOM	FAAAAAA.AAA
141MAIN DC AVI BUS NO.1	UBB	CHBN	SAAAAAA.AAA
141MAIN DC AVIONICS BUS NO.1	UBB	CHOP	FAAAAAA.AAA
141MAIN 28VDC AVIONICS BUS NO.1	UBB	CRDJ	FAAAAAA.AAA
141 MAIN DC AVICS BUS NO.2	UBB	DAFB	AAAAA.AAA
141 MAIN AVICS DC BUS NO.2	UBA	DDCB	111111111
141	UBB	FCS	FAAAAAA.AAA
141 MAIN DC AVIONICS BUS NO.1	UBB	FJA	000001110
141 MAIN DC AVIONICS BUS NO.1	UBB	FKA	111111111
141 MAIN AVIONICS NO.1 28VDC	UBB	FTM	AAAAA.AAA
141 MAIN DC NAV BUS	42CAB UBB	UBB	A
141MAIN DC BUS NO.2	UBC	BACG	FAAAAAA.AAA
141MAIN DC BUS NO.2	UBC	BACL	FAAAAAA.AAA
141MAIN DC BUS NO.2	UBC	BAFJ	FAAAAAA.AAA
141MAIN DC BUS NO.2	UBC	BAJD	FAAAAAA.AAA
141MAIN DC BUS NO.2	UBC	BAJL	FAAAAAA.AAA
141MAIN DC BUS NO.2	UBC	BAMM	FAAAAAA.AAA
141MAIN DC BUS NO.2	UBC	BAP	FAAAAAA.AAA
141MAIN DC BUS NO.2	UBC	BCJ	FAAAAAA.AAA
141MAIN DC BUSS NO.2	UBC	BEA	AAAAA.AAA
141MAIN DC BUSS NO.2	UBC	BIB	AAAAA.AAA
141 MAIN DC BUS NO2	UBC	BOB	AAAAA.AAA
141 MAIN DC BUS NO2	UBC	DFCA	AAAAA.AAA
141 MAIN DC BUS NO.2 28V	UBC	EAZ	111111111
141 MAIN DC BUS NO.2 28V	UBC	ECE	FAAAAAA.AAA
141 MAIN DC BUS NO.2 28V	UBC	ECF	111111111
141 MAIN 28V BUS NO.2 DC	UBC	ED	111111111
141 MAIN DC BUS NO.2 28V	UBC	EEA	FAAAAAA.AAA
141 MAIN DC BUS NO.2 28V	UBC	EEB	FAAAAAA.AAA
141 MAIN DC BUS NO.2 28V	UBC	EF	111111111
141 MAIN DC BUS NO.2	UBC	FAL	FAAAAAA.AAA
141 MAIN DC BUS NO.2	UBC	FAP	AAAAA.AAA
141MAIN 28VDC NO.2	UBC	FCCR	AAAAA.AAA
141MAIN DC 28V NO.2	UBC	LFEER	AAAAA.AAA
141MAIN DC 28V NO.2	UBC	RFEER	AAAAA.AAA
141 MAIN DC NO.2	UBC	LFEER	FAAAAAA.AAA
141 MAIN DC NO.2	UBC	RFEER	FAAAAAA.AAA
141 MAIN DC NO.2	UBC	LFEED	FAAAAAA.AAA
141 MAIN DC NO.2	UBC	RFEED	FAAAAAA.AAA
141 MAIN DC NO.2	UBC	FFJ	AAAAA.AAA
141 MAIN DC NO.2	UBC	FFP	FAAAAAA.AAA
141 MAIN DC NO.2	UBC	FFR	FAAAAAA.AAA
141 MAIN DC NO.2	UBC	FFS	FAAAAAA.AAA
141 MAIN DC BUS NO.2	UBC	FGV	111111111
141 MAIN DC NO.2	UBC	FTH	AAAAA.AAA
141 MAIN DC BUS 12	UBC	ME	AAAAA.AAA
141MAIN DC BUS NO.2	UBC	UABN	FAAAAAA.AAA
141MAIN DC BUS NO.2	UBC	UACN	FAAAAAA.AAA

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FLIGHT SAFETY PREDICTION TECHNIQUE

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0000000011111111122222222333333333344444444455555555566666666677777777778
1234567890123456789012345678901234567890123456789012345678901234567890
141MAIN DC BUS NO 2                                UBC          JAN          FAAAAAAAAA
141MAIN DC BUS NO 2 28VDC                          UBC          UHAEB          AAAAAA/AAA
141MAIN DC BUS NO 2-28VDC                          UBC          UHAKA          AAAAAAAAAA
141MAIN DC BUS NO 2-28VDC                          UBC          UHC          222222222
141MAIN DC BUS NO 2-28VDC                          UBC          UHCGA          FAAAAAAAAA
141MAIN DC BUS NO2                                UBC          UZZZZ          S11111111
141 MAIN DC BUS                                42CAA        UBCA          UBC          A
141 SERVICE OUTLET                                42CAC        UBCP          UBC          O
141MAIN DC AVIONICS BUS NO2                        UBC          CAAZZY          SAAAAAAAAA
141 MAIN DC AVIONICS BUS NO.2                      UBC          CAC          111111111
141MAIN DC AVIONIC BUS NO.2                        UBC          CAH          FAAAAAAAAA
141MAIN DC AVIONIC BUS NO2                        UBC          CAP          FAAAAAAAAA
141MAIN DC AVIONIC BUS NO 2                      UBC          CAUH          FAAAAAAAAA
141MAIN 28VDC AVIONICS BUS NO2                    UBC          CAV          FAAAAAAAAA
141MAIN DC AVG BUS NO 2                            UBC          CBDA          S11111111
141 MAIN DC AVIONICS BUS NO 2                      UBC          CBDA          F11111111
141MAIN DC AVIONICS BUS NO.2                      UBC          CHDF          F11111111
141MAIN DC AVIONICS BUS NO 2                      UBC          CBE          111111111
141MAIN DC AVG BUS NO 2                            UBC          CBF          S11111111
141MAIN DC AVIONICS BUS                            UBC          CBFF          F11111111
141MAIN 28VDC AVIONICS BUS NO 2                    UBC          CBFG          F11111111
141MAIN DC AVG BUS NO 2                            UBC          CC          AAAAAAAAAA
141 MAIN DC AVICS BUS NO 2                        UBC          DCM          AAAAAAAAAA
141 MAIN AVICS DC BUS NO 1                        UBC          DDCB          111111111
141 ELECT POWER-28VDC MAIN AV 2                    UBC          LUKB          AAAAAAAAAA
141 ELECT POWER-28VDC MAIN AV 2                    UBC          RUKB          AAAAAAAAAA
141 MAIN DC NAV BUS                                42CAB        URDA          UBC          A
141ISOLATED DC BUSS                                UBE          BABJ          FAAAAAAAAA
141ISOLATED DC BUSS                                UBE          BAEK          FAAAAAAAAA
141ISOLATED DC BUSS                                UBE          BAHJ          FAAAAAAAAA
141ISOLATED DC BUSS                                UBE          BAP          FAAAAAAAAA
141ISOLATED DC BUSS                                UBE          BCJ          FAAAAAAAAA
141ISOLATED DC BUSS                                UBE          BEL          AAAAAAAAAA
141ISOLATED DC BUS                                UBE          BFA          FAAAAAAAAA
141ISOLATED DC BUS                                UBE          BJ          OAAAAAAAAA
141ISOLATED DC BUSS                                UBE          BUB          FAAAAAAAAA
141 ISOLATED DC BUS 28V                            UBE          EAZ          111111111
141 ISOLATED 28V BUS                                UBE          ERK          FAAAAAAAAA
141 ISOLATED DC BUS 28V                            UBE          ECC          111111111
141 ISOLATED DC BUS 28V                            UBE          ECF          111111111
141 ISOLATED DC BUS                                UBE          ECS          FAAAAAAAAA
141 ISOLATED DC BUS 28V                            UBE          ECT          AAAAAAAAAA
141 ISOLATED 28V DC BUS                            UBE          EDP          AAAAAAAAAA
141 ISOLATED DC BUS 28V                            UBE          EDJ          FAAAAAAAAA
141 ISOLATED DC BUS 28V                            UBE          EFR          AAAAAAAAAA
141 ISOLATED DC BUS                                UBE          EGA          111111111
141ISOLATED 28VDC                                UBE          FAQ          AAAAAAAAAA
141 ISOLATED DC BUS                                UBE          FCCC          FAAAAAAAAA
141 ISOLATED DC BUS                                UBE          FCCD          FAAAAAAAAA
141 ISOLATED DC BUS                                UBE          FCCE          AAAAAAAAAA

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000000001111111111222222222233333333334444444444555555555566666666667777777777			
1234567890123456789012345678901234567890123456789012345678901234567890			
141 ISOLATED DC BUS 28VDC	UBE	FLR	AAAAAA11A
141 ISOLATED DC BUS 28VDC	UBE	FDL	F1A1AAAAAA
141 ISOLATED DC BUS	UBL	FDFA	F1AAAAAA1A
141 ISOLATED DC BUS 28VDC	UBE	FDG	F1AAAAAA1A
141 ISOLATED DC BUS	UBE	FDGA	F1AAAAAA1A
141 ISOLATED DC BUS 28VDC	UBE	FDH	F1AAAAAA1A
141 ISOLATED DC BUS	UBE	FDHA	F1AAAAAA1A
141 ISOLATED DC BUS 28VDC	UBE	FDK	F1AAAAAA1A
141 ISOLATED DC BUS 28VDC	UBE	FDN	F1AAAAAA1A
141 ISOLATED DC BUS 28VDC	UBE	LFED	AAAAAA11A
141 ISOLATED DC BUS 28VDC	UBE	RFED	AAAAAA11A
141 ISOLATED DC BUS	UBE	FHC	F1AAAAAA1A
141 ISOLATED DC BUS	UBE	FLA	F1AAAAAA1A
141 ISOLATED DC BUS	UBE	GANG	F1AAAAAA1A
141 ISOL 28V DC	UBE	GAEC	00000000
141 ISOL 28V	UBE	GRF	AAAAAA11A
141 ISOLATED 28V DC PWR	UBE	LAN	AAAAAA11A
141 ISOLATED 28V DC PWR	UBE	LAQ	AAAAAA11A
141 ISOLATED DC BUS	UBE	UAME	AAAAAA11A
141 ISOLATED DC BUS	UBE	UAMJ	F1AAAAAA1A
141 ISOLATED DC BUS	UBE	UAML	F1AAAAAA1A
141 ISOLATED DC BUS	UBE	UAMN	F555555555
141 ISOLATED DC BUS	UBE	UAN	F1AAAAAA1A
141 ISOLATED DC BUS	UBE	UATD	F1AAAAAA1A
141 ISOLATED DC BUS	UBE	URE7	111111111
141 ISOLATED DC BUS 28VDC	UBE	UHA	S1AAAAAA1A
141 ISOLATED DC BUS 28VDC	UBE	UHACA	F1AAAAAA1A
141 ISOLATED DC BUS 28VDC	UBE	UHADA	F1AAAAAA1A
141 ISOLATED DC BUS 28VDC	UBE	UHAX	F1AAAAAA1A
141 ISOLATED DC BUS 28VDC	UBE	UHAY	F1AAAAAA1A
141 ISOLATED BUS 28VDC	UBE	UHH	S1AAAAAA1A
141 ISOLATED BUS-28VDC	UBE	UHSJ	F1AAAAAA1A
141 ISOLATED BUS-28VDC	UBE	UHSP	F1AAAAAA1A
141 ISOLATED BUS-28VDC	UBE	UHRQ	F1AAAAAA1A
141 ISOLATED BUS-28VDC	UBE	UHSP	F1AAAAAA1A
141 BUS ISOLATED DC	42CAN UBEA	UHE	A
141URE POWER ATTENUATION	UBEZ	BAE	S11111111
141 ISOLATED DC BUSS ATEN	UBEZ	BAEJ	111111111
141 ISOLATED DC BUSS ATEN	UBEZ	BAHK	111111111
141 ISOLATED DC BUSS ATEN	UBEZ	BALJ	111111111
141 ISOL DC AVIONICS BUS N12	UBF	CAZZY	S11111111
141 ISOLATED DC AVIONICS BUS	UBF	CAUA	F1AAAAAA1A
141 ISOLATED 28VDC AVIONICS BUS	UBF	CAV	F1AAAAAA1A
141 ISOL 28V DC AVI BUS	UBF	CBF	K URD S11111111
141 ISOLATED DC AVION BUS	UBF	CBFF	S11111111
141 ISOLATED 28VDC AVIONICS BUS	UBF	CBFG	F11111111
141 BUS ISOL DC AV	42CAN UBEA	UBF	A
141DC FEEDER	UBG	UPH	UD 11111111
141DC FEEDER	UBG	UCA	UCC 11111111
141 RELAY-153 BUS REV CUR	42B4B UBG	UBG	A

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000000001111111111222222222233333333334444444444555555555566666666667777777777			
12345678901234567890123456789012345678901234567890123456789012345678901234567890			
141 ISOLATED FEEDER		URH	URF
141 ISOLATED FEEDER		URH	URF
141 NORMAL DC SUPPLY NO 1		URM	URH
141 XFORMER-RECTIFIER UNIT	42ABA	UBMA	URM
141 RELAY-MAIN DC BUS REV CURR	42FAA	UBMH	URM
141 NORMAL DC SUPPLY NO 2		URM	URH
141 XFORMER-RECTIFIER UNIT	42ABA	UBNA	URM
141 RELAY-MAIN DC BUS REV CURR	42FAA	UBNB	URM
141 DISTRIBUTION EQUIPMENT		UBQ	URH
141 WIRING	42CEF	URQA	URQ
141 WIRING	42CAG	URQB	URQ
141 PRESSURE SEALS	42HAA	URQC	URQ
141 TERMINAL STRIPS	42FAG	URQD	URQ
141 TERMINAL STRIP COVERS	42HAC	URQE	URQ
141 RELAY COVER	42HAD	URQF	URQ
141 JUNCTION BOX	42FAE	URQG	URQ
141 FUSE	42HAG	URQH	URQ
141 FUSE HOLDER	42FAH	URQJ	URQ
141 CIRCUIT BREAKER	42FAK	URQK	URQ
141 CONNECTORS	42HAL	URQL	URQ
141 CONDUIT	42HAN	URQM	URQ
141 EMERG GEN POWER DIST		UC	BEL
141 EMERG GEN POWER DIST		UC	BFA
141 EMERG GEN DIST		UC	CAUA
141 EMERG GEN DIST		UC	CRA
141 EMERG GEN DIST		UC	CC
141 EMERG GEN DIST		UC	DACA
141 EMERG GEN DIST		UC	DRCA
141 EMERG GEN DIST		UC	DCE
141 EMERG GEN DIST		UC	DDO
141 EMERG GEN DIST		UC	DEA
141 EMERG GEN DIST.		UC	EA
141 EMERG GEN DIST.		UC	ER
141 EMERG GEN DIST.		UC	EC
141 EMERG GEN DIST.		UC	EDA
141 EMERG GEN DIST.		UC	EF
141 EMERG GEN DIST		UC	FAQ
141 EMERG GEN DIST		UC	FCC
141 EMERG GEN DIST		UC	FDB
141 EMERG GEN DIST		UC	FE
141 EMERG GEN DIST		UC	FGV
141 EMERG GEN DIST		UC	GAA
141 EMERG GEN DIST		UC	GBF
141 EMERGENCY GEN DIST		UC	UAG
141 EMERGENCY GEN DIST		UC	UAH
141 EMERGENCY GEN DIST		UC	UCH
141 EMERGENCY GEN DISTRIBUTION		UC	UCC
141 EMERGENCY GEN DISTRIBUTION		UC	UCD
141 EMERG GEN DIST		UC	UCZ
141 EMERG GEN DIST		UC	UHA

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000000001111111111222222223333333344444444555555556666666677777777
1234567890123456789012345678901234567890123456789012345678901234567890
141EMERG GEN DIST UC UH3 K UB 5111111111
141 EMERG DC BUS UCA CAC 1111111111
141EMERGENCY DC BUS UCA CBF 1111111111
141EMERGENCY DC BUS UCA CC 1111111111
141 EMER DC BUS UCA DCK 1111111111
141 EMERGENCY DC BUS UCA DUCB 3333333333
141 EMERGENCY DC BUS UCA DJD 1111111111
141 EMERGENCY DC BUS UCA FAZ 1111111111
141 EMERG 23V BUS UCA EBK 1111111111
141 EMERGENCY DC BUS 23V UCA ECF 1111111111
141 EMERGENCY DC BUS UCA FHL 1111111111
141 EMERG DC BUS UCA UAFB 1111111111
141 ELECT POWER EMERG DC BUS UCA LUKQ 0000000000
141 ELECT POWER EMERG DC BUS UCA RUKQ 0000000000
141 ELECT POWER EMERG DC BUS UCA LUKT 0000000000
141 ELECT POWER EMERG DC BUS UCA RUKT 0000000000
141 BUS EMER DC 42GAL UCAA UCA A
141EMERGENCY AC BUS UCB CRE 1111111111
141EMERG AC BUS UCB CC 1111111111
141 EMER AC BUS UCB DADA 1111111111
141 EMER AC BUS UCB DAGA 1111111111
141 EMER AC BUS UCB DBCA 1111111111
141 EMER AC BUS UCB DCE 1111111111
141 EMER AC BUS UCB DCJ 1111111111
141 EMERGENCY AC BUS UCB FHC 1111111111
141EMERGENCY AC BUS UCB UCBA 1111111111
141 23VAC EMERGENCY BUS UCBA FDN 1111111111
141 ELECT POWER-EMERG 23VAC BUS UCBA LUKB 1111111111
141 ELECT POWER-EMERG 23VAC BUS UCBA LUKJ 1111111111
141 XFORMER-EMERGENCY INSTR 42GAE UCBA A
141 EMERGENCY AC BUS 42GAK UCBA A
141 RELAY-EMERGENCY BUS POWER 9942Z UCB 5
141 BUS EMERGENCY AC 42GAK UCB A
141EMERGENCY BUS BACKUP UCC UCA K UB 1111111111
141 RECTIFIER 42GAS UCC A
141ISOLATED BUS PRIME BACKUP UCD UBE K UB 1111111111
141ISOLATED BUS PRIME BACKUP UCD UBF K UB 1111111111
141 RELAY-ISO DC BUS PWR 42GAG UCD A
141 RECTIFIER 42GAS UCD A
141ISOLATION CONTROL UCE UCD 1111111111
141 SWITCH-PWR DISCON ISO BUS 42GAQ UCE A
141EMERGENCY PWR GEN UCF UC 1111111111
141 MOTOR HYDRAULIC AC/DC GEN 45FAA UCF A
141 GEN HYDR MOTOR DRIVEN 42GAA UCF A
141 EMER-GEN HYDR MOT CONT SOL 42GAC UCF A
141 SELECTOR VALVE 42GAD UCF A
141 RELAY-FREQUENCY SENSITIVE 42GAF UCF A
141EMER GEN CONTROL UCG UCF 1111111111
141 RELAY-EMER GEN CONTROL 42GAH UCG A
141AIRC CREW ACTION UCH UCG 1111111111

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0000000011111111222222223333333344444444555555556666666677777777778
1234567890123456789012345678901234567890123456789012345678901234567890
141 JOURNAL INDICATION UCJ UCH 1 UAR 111111111
141 RELAY-DC BUS OFF INDICATOR 42CAF UCJA UCJ 5
141 DC LOADMETER 42CPA UCJB UCJ 5
141 SHUNT 42CPH UCJC UCJ 5
141 VOLTMETER 42CHC UCJD UCJ 5
141 SELECTOR SWITCH VOLTAGE 42CCH UCJE UCJ 5
141 WIRING 42CHE UCJF UCJ 1
141 RELAY-EMER TEST 42CAJ UCJG UCJ 0
141 SWITCH-BAF GEN TEST 42CAF UCJH UCJ 0
141 SWITCH-INSTRUMENT PWR CONT 42CAP UCJJ UCJ 5
141 EMERG GEN DIST SENSE ATTN UCZ BAF K UB S111111111
141 EMERG GEN DIST SENSE ATTN UCZ BAF K UB S111111111
141 EMERG GEN DIST SENSE ATTN UCZ BAH K UB S111111111
141 EMERG GEN DIST SENSE ATTN UCZ BAE K UB S111111111
141 BATTERY DISTRIBUTION UD URH K UBG AAAAAAAAAA
141 BATTERY DISTRIBUTION UD UCC K UC AAAAAAAAAA
141 BATTERY UDA UD AAAAAAAAAA
141 BATTERY 42CAA UDAA UDA A
141 BATTERY BOX 42CAE UDAB UDA 1
141 BATTERY BOX COVER 42CAC UDAC UDA 1
141 SUMP JAR 42AAD UDAD UDA 1
141 SUMP JAR COVER 42AAE UDAE UDA 1
141 CATCH-BAT BOX 42AAF UDAF UDA 1
141 HANDLE ASSESSORY BAT BOX 42AAH UDAG UDA 0
141 SUMP JAR PAD 42AAJ UDAH UDA 0
141 BATTERY CONTROL UDB UD AAAAAAAAAA
141 SWITCH-BAT 5942W UDBA UDB A
141 AIR CREW ACTION UDC UDB AAAAAAAAAA
141 EMERGENCY INDICATION UDD UDC 111111111
141 VOLTMETER 42CEC UDDA UDD 5
141 SELECTOR SWITCH VOLTAGE 42CHD UDDR UDD 5
141 WIRING 42CHE UDUC UDD 1
141 RELAY-EMER TEST 42CAJ UDUD UDD 0
141 DC LOADMETER 42CPA UDDE UDD 5
141 SHUNT 42CPH UDDF UDD 5
141 PLUMBING 42AAK UDX UD 0
141 PLUG-BAT CONNECTION 42AAG UDY UD A
141 RELAY BAT 42BAC UDZ UD A
141 HYDRAULIC SYSTEM NO.1 UHA FCCA AAAAAAAAAA
141 HYD DISTRIBUTION SYSTEM 1 UHA FDF AAAAAAAAAA
141 HYD SYS NO.1 UHA LFEEA AAAAAAAAAA
141 HYD SYS NO.1 UHA RFEEA AAAAAAAAAA
141 SYSTEM NO.1 HYD DIST UHA FHAG FAAAAAAAAA
141 FLUID SUPPLY UHA UHA AAAAAAAAAA
141 RESERVOIR 45AAA UHAA UHAA A
141 FILLER CAP 45AAB UHAB UHAA 0
141 SCREEN-FILLER NECK 45AAC UHAC UHAA 0
141 SEAL-FILLER CAP 45AAD UHAD UHAA 0
141 SIGHT GAUGE 45AAE UHAE UHAA 1
141 STRAP ASSY MOUNTING 45AAF UHAF UHAA 1

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0000000011111111122222222222222333333333344444444455555555556666666666666667777777777
12345678901234567890123456789012345678901234567890123456789012345678901234567890
141 RESERV. DR. VALVE 45ABD UH2AG UHAA 1
141 RESERV. DR. VENT LINE 45ABE UHAAH UHAA 0
141 SUCTION UHAB UHABA 111111111
141 SUCTION ATTENUATION UHABA UHA 111111111
141 SUCTION CONTROL UHABH UHAB AAAA444444
141 SWITCH-SUCT BOOST PUMP CONT 45AAC UHABHA UHABH A
141 SUCTION LINE DRAIN VALVE 45APC UHABJ UHAB 0
141 SUCTION LINE CHECK VALVE 45ABG UHABD UHAB 1
141 ELECTRIC SUCT BOOST PUMP 45ACB UHABE UHAB A
141 ELECTRIC MOTOR-SUCT BOOST 45ACC UHABF UHAB A
141 RELAY-SUCT BOOST PUMP CONT 45PAE UHABG UHAB A
141 NO 3 ENG PUMP PRESSURE UHAC UHA 111111111
141 PUMP CONTROL NO 3 ENG UHACA UHAC AAAA444444
141 SWITCH-PUMP SHUTOFF VALVE 45IAA UHACAA UHACA A
141 EMERGENCY SHUTDOWN RELAY 9945Z UHACAB UHACA A
141 SUCT LINE SHUTOFF VALVE M-J45APE UHACB UHAC A
141 PRESS SHUTOFF VALVE SOL-UP 45AFF UHACC UHAC A
141 PRESS LINE CHECK VALVE 45ABH UHACE UHAC 1
141 ENG PUMP RUNAROUND CK VALVE 45ABJ UHACF UHAC 1
141 ENGINE DRIVEN PUMP 45ACA UHACG UHAC A
141 RUBBER HOSE 45ACD UHACH UHAC 2
141 ELEMENT-PRESS LINE 45ADA UHACJ UHAC 5
141 FILTER HEAD 45ADH UHACK UHAC 1
141 QUICK DISCONNECT-PRESS 45AEA UHACL UHAC 5
141 QUICK DISCONNECT-SUCT 45AEB UHACM UHAC 5
141 QUICK DISCONNECT-CASE DRAIN 45AEC UHACN UHAC 1
141 NO 4 ENGINE PUMP PRESSURE UHAD UHA 111111111
141 PUMP CONTROL NO 4 ENG UHADA UHAD AAAA444444
141 SW-PUMP SHUTOFF VALVE CONT 45PAA UHADAA UHADA A
141 EMERGENCY SHUTDOWN RELAY 9945Y UHADAB UHADAB A
141 SUCT LINE SHUTOFF VALVE M-J45ABE UHADB UHAD A
141 PRESS SHUTOFF VALVE SOL-UP 45APF UHADCC UHAD A
141 PRESS LINE CHECK VALVE 45ABH UHADI UHAD 1
141 ENG PUMP RUNAROUND CK VALVE 45ABJ UHADF UHAD 1
141 ENGINE DRIVEN PUMP 45ACA UHADG UHAD A
141 RUBBER HOSE 45ACD UHAHH UHAD 2
141 ELEMENT-PRESS LINE 45ADA UHADJ UHAD 5
141 FILTER HEAD 45ADH UHADK UHAD 1
141 QUICK DISCONNECT-PRESS 45AEA UHADL UHAD 5
141 QUICK DISCONNECT-SUCT 45AEB UHADM UHAD 5
141 QUICK DISCONNECT-CASE DRAIN 45AEC UHADN UHAD 1
141 SYS PROTECT/AIR CREW ACTION UHAF UHABO 111111111
141 SUCTION STATUS INDICATION UHAEA UHAE AAAA444444
141 INDICATOR LIGHT LO PRESS 45AEH UHAEA UHAEA A
141 PRESS SWITCH-SUCT LINE 45AEK UHAEH UHAEA A
141 SYS PROTECT/AIR CREW ACTION UHAF UHACA 000000000
141 SYSTEM NO 1 PRESS INDICATION UHAG UHAF 111111111
141 SYSTEM NO 1 PRESS INDICATION UHAG UHAJ 111111111
141 INDICATOR REMOTE 45EAA UHAGA UHAG 1
141 TRANSMITTER 45EAB UHAGB UHAG 1

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1234567890123456789012345678901234567890123456789012345678901234567890
141 GAGE DIRECT 45FAD UHAGC UHAG 1
141 SNORBER 45ALD UHAGD UHAG A
141 SYSTEM NO 1 GROUND TEST UHAI UHA 000000000
141 GROUND TEST CONNECTION 45ADD UHANA UHAN 0
141 COUPLING HALF-GRD COM PRESS 45AFD UHANR UHAN 0
141 DUST CAP 42FAC 45AEF UHANC UHAN 0
141 INDICATOR 44FAC 45ADG UHARD UHAN 0
141 SYST PROTECT/AIR CFW ACTION UHAJ UHADA 000000000
141 PRESSURE RELIEF VALVE 45ABA UHAK UHA 5
141 CHECK VALVE-PUMP CILLING 45AFL UHAL UHA 1
141 RESTRICTOR-PUMP CILLING 45AFN UHAM UHA 0
141 ELEMENT-RETURN LINE 45AGC UHAN UHA 0
141 FILTER HEAD 42FAC 45ALH UHAP UHA 1
141 CHECK VALVE-GRD TEST CONN 45AFK UHAQ UHA 1
141 ELEMENT-PUMP CASE DRAIN 45ADB UHAK UHA 0
141 GROUND TEST CONNECTION 45ADD UHAS UHA 1
141 COUPLING HALF-GRD CLAM SUCK 45AEF UHAT UHA 2
141 CLAMPS 45AFG UHAU UHA 0
141 PLUMBING 45AEL UHAV UHA 1
141 HOSE 45AFM UHAW UHA 1
141 PUMP CASE DRAIN RELIEF VALV 45AFB UHAWA UHA 0
141 NO 3 PUMP PRESS INDICATION UHAX UHAF 111111111
141 IND LIGHT LO PRESS WARN 45AEH UHAXA UHAX A
141 PRESS SW-ENG LO PRESS WARN 45AEJ UHAXB UHAX A
141 NO 4 PUMP PRESS IND UHAY UHAJ 111111111
141 IND LIGHT LO PRESS WARN 45AEH UHAYA UHAY A
141 PRESS SW-ENG LO PRESS WARN 45AEJ UHAYB UHAY A
141 HYD SYS NO 2 UHB FAE AAAAAAAAAA
141 HYDRAULIC SYSTEM NO 2 UHB FCCB AAAAAAAAAA
141 HYD DISTRIBUTION SYSTEM 2 UHB FDG AAAAAAAAAA
141 HYD SYS NO.2 UHB LFEB AAAAAAAAAA
141 HYD SYS NO2 UHB RFEB AAAAAAAAAA
141 HYD SYS NO.2 UHB FFG 111111111
141 NO.2 HYD SYSTEM UHB FGC 111111111
141 NO.2 HYDRAULIC SYSTEM UHB FTB AAAAAAAAAA
141 HYD POWER NO 2 UHB GADC AAAAAAAAAA
141 NO 2 HYD POWER UHB GBR AAAAAAAAAA
141 HYDRAULIC SYST NO.2 UHB LAK 010000010
141 HYDRAULIC SYST NO.2 UHB LAN F111111111
141 HYDRAULIC SYST NO.2 UHB LEB FAAAAAAAAA
141 HYDRAULIC SYST NO.2 UHB LEE FAAAAAAAAA
141 HYDRAULIC DIST SYST NO 2 UHB UCF AAAAAAAAAA
141 SYSTEM NO 2 HYD DIST UHB UHBM FAAAAAAAAA
141 SUCTION ATTENUATION UHBA UHB 111111111
141 FLUID SUPPLY UHBB UHB AAAAAAAAAA
141 RESERVOIR 45EAA UHBEA UHBB A
141 FILLER CAP 45FAB UHBBR UHBB 0
141 SCREEN-FILLER NECK 45CAC UHBBB UHBB 0
141 SEAL-FILLER CAP 45BAD UHBBD UHBB 0
141 SIGHT GUAGE 45BAE UHBBE UHBB 1

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1234567890123456789012345678901234567890123456789012345678901234567890
141 STRAP ASSY-AMOUNTING 45FAF UH88F UH88F 1
141 RESERVOIR DRAIN VALVE 45BRC UH88G UH88B 1
141 CK VALVE 22EAC 45BPS UH88H UH88B 1
141 RESERVOIR VENT LINE 45BDE UH88J UH88B 0
141 SYST NO 2 GROUND TEST UH88C UH88B 000000000
141 INTERC. VAL NOS 223 SYST 45BPM UH88A UH88C 1
141 CK VAL NOS 223 SYST 45BPR UH88C UH88C 1
141 GND TEST CONN 45BPD UH88C UH88C 0
141 FUST CAP 22EAC 45BFA UH88C UH88C 0
141 COUPLING HALF-CRD DISCONN 45BFE UH88C UH88C 0
141 GND CONN-PRESS 45BFF UH88C UH88C 0
141 HANDLE-INTERCONN VALVE 45BFA UH88C UH88C 1
141 SUCTION-ELECTRIC UH88D UH88A 111111111
141 SUCT LINE DRAIN VALVE 45BFD UH88A UH88D 0
141 SUCT BOOST PRESS CK VALVE 45BFH UH88D UH88D 1
141 ELECT SUCT BOOST PUMP 45BGB UH88D UH88D A
141 FLEC MOTOR-SUCT BOOST 45BGP UH88D UH88D A
141 RELAY-SUCT PUMP CONTRL 45BWE UH88D UH88D A
141 SUCTION-HYDRAULIC UH88E UH88A 111111111
141 SUCT PRESS LINE CK VALVE 45BFH UH88E UH88E 1
141 SUCT PUMP RETURN CK VALVE 45BFL UH88E UH88E C
141 HYD SUCT BOOST PUMP 45BCC UH88E UH88E A
141 HYD MOTOR-SUCT BOOST 45BCE UH88E UH88E A
141 NO 1 ENG PUMP PRESSURE UH88F UH88 111111111
141 NO 1 ENG PUMP PRESSURE UH88F UH88E 111111111
141 SUCT SHUTOFF VALVE NOT-OP 45BDE UH88FA UH88F A
141 PRESS SHUTOFF VALV SOL-OP 45BDF UH88FB UH88F A
141 PRESS LINE CK VALVE 45BFJ UH88FC UH88F 1
141 ENG PUMP RUNAROUND CK VALVE 45BKK UH88FD UH88F 1
141 ENG DRIVEN PUMP 45BCA UH88FE UH88F A
141 RUBBER HOSE 45BCF UH88FF UH88F 1
141 ELEMENT-PRESS LINE 45BDA UH88FG UH88F 5
141 FILTER HEAD 45BDH UH88FH UH88F 1
141 PRESS-QUICK DISCONNECT 45BEP UH88FJ UH88F 5
141 CASE DRAIN-QUICK DISCONNECT 45BEC UH88FK UH88F 1
141 SUCT-QUICK DISCONNECT 45BED UH88FL UH88F 5
141 NO 2 ENG PUMP PRESSURE UH88G UH88 111111111
141 NO 2 ENG PUMP PRESSURE UH88G UH88E 111111111
141 SUCT SHUTOFF VALVE NOT-OP 45BDE UH88GA UH88G A
141 PRESS SHUTOFF VALVE SOL-OP 45BDF UH88GB UH88G A
141 PRESS LINE CK VALVE 45BFJ UH88GC UH88G 1
141 ENG PUMP RUNAROUND CK VALVE 45BKK UH88GD UH88G 1
141 ENG DRIVEN PUMP 45BCA UH88GE UH88G A
141 RUBBER HOSE 45BCF UH88GF UH88G 1
141 ELEMENT-PRESS LINE 45BDA UH88GG UH88G 5
141 FILTER HEAD 45BDH UH88GH UH88G 1
141 PRESS-QUICK DISCONNECT 45BEP UH88GJ UH88G 5
141 CASE DRAIN-QUICK DISCONNECT 45BEC UH88GK UH88G 1
141 SUCT-QUICK DISCONNECT 45BED UH88GL UH88G 5
141 SUCTION CONTROL UH88H UH88D AAAAAAAAA

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FLIGHT SAFETY PREDICTION TECHNIQUE

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0000000001111111122222222223333333333344444444444555555555566666666666777777777778
12345678901234567890123456789012345678901234567890123456789012345678901234567890
141 SWITCH-SUCT PUMP CONT 45DAC UHBHA UHBH A
141 NO 2 ENG PUMP CONTROL UHBHJ UHBG AAAAAA
141 SW-PUMP SHUTOFF VALVE CONT 45DAA UHBJA UHBJ A
141 RELAY-EMERG SHUTDOWN 9945W UHBJA UHBJ A
141 SYST PROTECT/AIR CREW ACTION UHBK UHBH 11111111
141 SUCT STATUS INDICATION UHBKA UHBK AAAAAA
141 PRESS SW-SUCT LINE 45PEH UHBKA UHBKA A
141 LO PRESS WARN IND LIGHTS 45PEK UHBKC UHBKA A
141 SYST PROTECT/AIR CREW ACTION UHBL UHB 00000000
141 SYST NO 2 PRESS IND UHBM 11111111
141 SYST NO 2 PRESS IND UHBM 11111111
141 SNOOBER 45BBG UHBMA UHBM A
141 REVOTC INDICATOR 45EAA UHBMB UHBM 1
141 TRANSMITTER 45EAR UHBMC UHBM 1
141 GAGE DIRECT 45EAC UHBMD UHBM 1
141 SYST PROTECT/AIR CREW ACTION UHBN UHBJ 00000000
141 NO 1 ENG PUMP CONTROL UHBP UHBF AAAAAA
141 SW-PUMP SHUTOFF VALVE CONT 45DAA UHBPA UHBP A
141 RELAY-EMERG SHUTDOWN 9945X UHBPB UHBP A
141 NO 1 ENG PUMP PRESS IND UHBQ UHBL 11111111
141 PRESS SW-LO PRESS WARN 45PEJ UHBQA UHBQ A
141 LO PRESS WARN IND LIGHTS 45BEK UHBQB UHBQ A
141 NO 2 ENG PUMP PRESS IND UHBK UHBN 11111111
141 PRESS SW-LO PRESS WARN 45BEJ UHBRA UHBK A
141 LO PRESS WARN IND LIGHTS 45BEK UHBKB UHBK A
141 HYD SYS NO 3 UHCA FAF AAAAAA
141 IN-FLIGHT DISTR SYSTEM 3 UHCA FDH AAAAAA
141 HYD SYS 3 UHCA LFEE AAAAAA
141 HYD SYS 3 UHCA RFEF AAAAAA
141 HYD SYS NO 3 UHCA FFG 11111111
141 NO 3 HYD SYSTEM UHCA FGC 11111111
141 SYST NO 3 IN-FLIGHT DISTR UHCA UHBC AAAAAA
141 HYD POWER NO 3 UHCB GAEC AAAAAA
141 NO 3 HYD SYSTEM DISTR UHCB ME AAAAAA
141 SYST NO 3 ESSENTIAL DISTR UHCB UAML AAAAAA
141 ACCUMULATOR CONT VALVE 45CBJ UHCB A 2
141 FLUID SUPPLY UHCC UHCA AAAAAA
141 FLUID SUPPLY UHCC UHCB AAAAAA
141 RESERVOIR 45CAA UHCCA UHCC A
141 FILLER CAP 45CAR UHCCB UHCC 0
141 SEAL FILLER CAP 45CAC UHCCC UHCC 0
141 SCREEN-FILLER CAP 45CAD UHCCD UHCC 0
141 SIGHT GAUGE 45CAE UHCC E UHCC 1
141 STRAP ASSY MOUNTING 45CAF UHCCF UHCC 1
141 RESERVOIR DRAIN VALVE 45CHB UHCCG UHCC 1
141 ELEMENT-VENT LINE 45CEB UHCC H UHCC 0
141 FILTER HEAD 45CEG UHCCJ UHCC 1
141 DRIP PAN 45CFD UHCC K UHCC 0
141 INDICATOR 45CE F UHCC L UHCC 0
141 NORMAL PRESSURE UHCD UHCA AAAAAA

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FLIGHT SAFETY PREDICTION TECHNIQUE

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PG095.JIR1 DATE = 02/04/76

FLIGHT SAFETY PREDICTION TECHNIQUE

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00000000111111112222222222333333333344444444445555555555666666666677777777778
12345678901234567890123456789012345678901234567890123456789012345678901234567890
141 FILLER VALVE ACCUM< 45CPA UHCGG UHCG 0
141 MOUNTING BRACKET ACCUM< 45COP UHCGH UHCG 0
141 GAGE ACCUM 45EAC UHCGJ UHCG 0
141 SYST PROTECT/AIR CREW ACTION UHCH UHCF 111111111
141 PUMP PRESSURE INDICATION UHCM UHCH 1 UHCO AAAAAAAAAA
141 PRESS SWITCH 45CPB UHCMA UHCM A
141 LO PRESS WARN LIGHT 45CPC UHCMB UHCM A
141 SNUBBER 45CPH UHCMC UHCM A
141 INDICATOR REMOTE 45EAA UHCMD UHCM 1
141 TRANSMITTER 45EAB UHCME UHCM 1
141 GAGE DIRECT 45EAD UHCME UHCM 1
141 PRESS RELIEF VALVE 45BBA UHDA UHB 3
141 RELIEF VALVE-PUMP CASE 45BBB UHDB UHB 0
141 CK VALVE-LAND DEAR FREEFALL 45BBG UHDC UHB 3
141 CK VALVE 45BBS UHDD UHB 1
141 CK VALVE-PUMP COOLING 45BBT UHDE UHB 1
141 RESTRICTOR-PUMP COOLING 45BBU UHDF UHB 0
141 ELEMENT-CASE DRAIN RETURN 45BDB UHDG UHB 0
141 ELEMENT-RETURN LINE 45BDC UHDH UHB 0
141 FILTER HEAD 42FAK 45BDH UHDJ UHB 1
141 CLAMPS 45BEL UHDK UHB 0
141 HOSE 45BEM UHDL UHB 1
141 PLUMBING 45BEN UHDM UHB 1
141 INDICATOR 44FAK 45BDG UHDM UHB 0
141 CK VAL GRD TEST CHNN 45BPP UHDP UHB 1
141 GRD CONNECTION-SUCT 45BEG UHDO UHB 2
141 VERT VELD DIST 4ND1K LUKA DAGA AAAAAAAAAA
141 VERTVELD DIST4ND2K RUKA DAGB AAAAAAAAAA
141 VERT VELOCITY CADC NO 2 RUKA FKB 111111111
141 VERT VELOCITY COMPUTATION LUKB LUKA AAAAAAAAAA
141 VERT VELOCITY COMPUTATION RUKB RUKA AAAAAAAAAA
141 COMPUTER PRIMARY 51AAE LUKBA LUKB 8
141 COMPUTER PRIMARY 51AAE RUKBA RUKB 8
141 AMPLIFIER MONITOR AND RATE 51AAV LUKBB LUKB 8
141 AMPLIFIER MONITOR AND RATE 51AAV RUKBB RUKB 8
141 RELAY ASSY 51AAS LUKBC LUKB 8
141 RELAY ASSY 51AAS RUKBC RUKB 8
141 PANEL ALTITUDE MONITOR 9951E LUKBD LUKB 1
141 PANEL ALTITUDE MONITOR 9951E RUKBD RUKB 1
141 POWER SUPPLY REGULATED 51AAF LUKBE LUKB 8
141 POWER SUPPLY REGULATED 51AAR RUKBE RUKB 8
141 CENTRAL AIR DATA COMPUTER 51AAA LUKBH LUKB 8
141 CENTRAL AIR DATA COMPUTER 51AAA RUKBH RUKB 8
141 ALT DIST 4ND2K LUKC DAC 111111111
141 ALT DIST 4ND1K RUKC DAC 111111111
141 ALTITUDE DIST CADC NO 2 RUKC FKB 111111111
141 CADC NO.2 RUKC FKD FAAAAAAAAA
141 IAS DIST 20VERSPEEDK LUKD DOCA 111111111
141 IAS DIST 20VERSPEEDK RUKD DUCA 111111111
141 IAS COMPUTATION LUKE LUKD AAAAAAAAAA

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PGG095.JIR1 DATE = 02/04/70

FLIGHT SAFETY PREDICTION TECHNIQUE

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0000000011111111222222223333333344444444555555556666666677777777
123456789012345678901234567890123456789012345678901234567890
141IAS COMPUTATION          LUKE          RUKE          AAAAAAAAAA
141 COMPUTER PRIMARY        51AAB LUKEA          LUKE          3
141 COMPUTER PRIMARY        51AAF LUKEA          LUKE          2
141 AMPLIFIER MONITORING    51AAN LUKEA          LUKE          3
141 AMPLIFIER MONITORING    51AAN LUKEB          LUKE          4
141 RELAY ASSY              51AAS LUKEC          LUKE          9
141 RELAY ASSY              51AAS LUKEC          LUKE          8
141 PANEL TAS MONITOR       9951C LUKEC          LUKE          1
141 PANEL TAS MONITOR       9951C RUKEC          RUKE          1
141 POWER SUPPLY REGULATED  51AAE LUKEF          LUKE          3
141 POWER SUPPLY REGULATED  51AAE LUKEF          LUKE          8
141 CENTRAL AIR DATA COMPUTER 51AAA LUKEH          LUKE          8
141 CENTRAL AIR DATA COMPUTER 51AAA LUKEH          RUKE          3
141ALTITUDE COMPUTATION     LUKE          LUKE          AAAAAAAAAA
141ALTITUDE COMPUTATION     LUKE          LUKE          AAAAAAAAAA
141ALTITUDE COMPUTATION     LUKE          LUKE          AAAAAAAAAA
141ALTITUDE COMPUTATION     RUKE          RUKE          AAAAAAAAAA
141ALTITUDE COMPUTATION     RUKE          RUKE          AAAAAAAAAA
141ALTITUDE COMPUTATION     RUKE          RUKE          AAAAAAAAAA
141 AMPLIFIER ALTIMETER     51ABO LUKEA          LUKE          3
141 AMPLIFIER ALTIMETER     51ABO RUKEA          RUKE          8
141 AMPLIFIER ELECTRONIC CONT 51AAM LUKEB          LUKE          8
141 AMPLIFIER ELECTRONIC CONT 51AAM LUKEB          RUKE          8
141 MACH DIST NO 1          LUKG          DBCA          AAAAAAAAAA
141 MACH DIST OVERSPEEDC    LUKG          DDCA          F111111111
141 ALTITUDE DISTRIBUTION #1 LUKG          ECH          111000111
141 CADC NO.1              LUKG          FDN          333333333
141CADC 1                  LUKG          FGF          111111111
141 CADC NO.1              LUKG          FTM          AAAAAAAAAA
141 MACH DIST NO 2          RUKE          DBCB          AAAAAAAAAA
141 MACH DIST OVERSPEEDC    RUKE          DDCA          F111111111
141 ALTITUDE DISTRIBUTION #2 RUKE          ECK          111000111
141 CADC NO.2              RUKE          FDN          333333333
141CADC 2                  RUKE          FGF          111111111
141 MACH DIST CADC NO 2     RUKE          FJB          111111111
141 CADC NO.2              LUKH          CEFU          111111111
141 TAS DIST AND 1C         LUKH          DRE          111111111
141 CADC NO.1 TAS          LUKH          FCM          111111111
141 CADC NO.2              RUKE          CBFU          111111111
141 TAS DIST AND 2C         RUKE          DRE          111111111
141 CADC NO.2 TAS          RUKE          FCM          111111111
141 TAS DIST CADC NO 2     RUKE          FKB          111111111
141TAS COMPUTATION         LUKJ          LUKH          AAAAAAAAAA
141TAS COMPUTATION         RUKE          RUKE          AAAAAAAAAA
141 COMPUTER PRIMARY        51AAE LUKJA          LUKJ          9
141 COMPUTER PRIMARY        51AAE RUKEJA          RUKE          6
141 TAS MODULE              51AAK LUKJB          LUKJ          3
141 TAS MODULE              51AAK RUKEJB          RUKE          3
141 AMPLIFIER BUFFER        51AAP LUKJC          LUKJ          4
141 AMPLIFIER BUFFER        51AAP RUKEJC          RUKE          8

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FLIGHT SAFETY PREDICTION TECHNIQUE

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0000000011111111222222222222333333333333444444444444555555555555666666666666777777777777
12345678901234567890123456789012345678901234567890123456789012345678901234567890
141 POWER SUPPLY REGULATED 51AAR LUKJO LUKJ 8
141 POWER SUPPLY REGULATED 51AAR RUKJO RUKJ 8
141 RELAY ASSY 51AAS LUKJF LUKJ A
141 RELAY ASSY 51AAS RUKJF RUKJ A
141 CENTRAL AIR DATA COMPUTER 51AAA LUKJH LUKJ 8
141 CENTRAL AIR DATA COMPUTER 51AAA RUKJH RUKJ 8
141 MACH COMPUTATION LUKK LUKK AAAAAAAAAA
141 MACH COMPUTATION LUKK LUKK AAAAAAAAAA
141 MACH COMPUTATION LUKK LUKK AAAAAAAAAA
141 MACH COMPUTATION RUKK RUKK AAAAAAAAAA
141 MACH COMPUTATION RUKK RUKK AAAAAAAAAA
141 MACH COMPUTATION RUKK RUKK AAAAAAAAAA
141 MACH MODULE 51AAF LUKKA LUKK 8
141 MACH MODULE 51AAF RUKKA RUKK 8
141 AMPLIFIER AIRSPEED MACH 51ACQ LUKKB LUKK 8
141 AMPLIFIER AIRSPEED MACH 51ACQ RUKKB RUKK 8
141 TEMPERATURE COMPENSATION LUKL LUKJ 8888888888
141 TEMPERATURE COMPENSATION RUKL RUKJ 8888888888
141 AMPLIFIER ISOLATION 51AAQ LUKLA LUKL 8
141 AMPLIFIER ISOLATION 51AAQ RUKLA RUKL 8
141 WIRING 51AAU LUKLB LUKL 1
141 WIRING 51AAU RUKLB RUKL 1
141 ALTITUDE SIGNAL GENERATION LUKN LUKF AAAAAAAAAA
141 ALTITUDE SIGNAL GENERATION RUKN RUKF AAAAAAAAAA
141 MECHANISM PRESS ALTITUDE 51AAG LUKNA LUKN 8
141 MECHANISM PRESS ALTITUDE 51AAG RUKNA RUKN 8
141 STATIC PRESSURE SENSING LUKP LUKN AAAAAAAAAA
141 STATIC PRESSURE SENSING RUKP RUKN AAAAAAAAAA
141 STATIC PRESSURE SENSING RUKP UKV AAAAAAAAAA
141 SENSOR ASSY STATIC PRES 51AAH LUKPA LUKP 8
141 SENSOR ASSY STATIC PRES 51AAH RUKPA RUKP 8
141 PITOT HEAD STATIC LH 51AAH LUKPB LUKP 8
141 PITOT HEAD STATIC LH 51BAH RUKPB RUKP 8
141 PLUMBING 51BAA LUKPC LUKP A
141 PLUMBING 51BAA RUKPC RUKP A
141 STATIC ICE FREE LUKQ LUKP A AAAAAAAAAA
141 STATIC ICE FREE RUKQ RUKP A AAAAAAAAAA
141 SWITCH HEATER 51BAB LUKQA LUKQ A
141 SWITCH HEATER 51BAB RUKQA RUKQ A
141 HEALY HEATER 51BAC LUKQB LUKQ A
141 HEALY HEATER 51BAC RUKQB RUKQ A
141 LIGHT HEATER FAULTED 51BAD LUKQC LUKQ 1
141 LIGHT HEATER FAULTED 51BAD RUKQC RUKQ 1
141 HEALY STATIC HEAD 51BAE LUKQD LUKQ A
141 HEALY STATIC HEAD 51BAE RUKQD RUKQ A
141 WIRING 51BAG LUKQE LUKQ 1
141 WIRING 51BAG RUKQE RUKQ 1
141 MACH SIGNAL GENERATION LUKR LUKK AAAAAAAAAA
141 MACH SIGNAL GENERATION RUKR RUKK AAAAAAAAAA
141 IMPACT PRESSURE MODULE 51AAL LUKRA LUKR 8

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FLIGHT SAFETY PREDICTION TECHNIQUE

0000000011111111112222222222333333333344444444445555555555666666667777777777
 1234567890123456789012345678901234567890123456789012345678901234567890

141	IMPACT PRESSURE PROBE	51AAL	RUKRA	RUKR	3	
141	PITOT STATIC PRES SENSING		LUKS	LUKR		AAAAAAAAAA
141	PITOT STATIC PRES SENSING		RUKS	RUKR		AAAAAAAAAA
141	PITOT STATIC PRES SENSING		RUKS	UKR		AAAAAAAAAA
141	SENSOR ASSY IMPACT PRES	51AAJ	LUKSA	LUKS	8	
141	SENSOR ASSY IMPACT PRES	51AAJ	RUKSA	RUKS	8	
141	PITOT HEAD STATIC PH	51EAJ	LUKSB	LUKS	8	
141	PITOT HEAD STATIC PH	51EAJ	RUKSB	RUKS	8	
141	VALVE MANUAL SHUT OFF#2	51EAF	LUKSC	LUKS	1	
141	VALVE MANUAL SHUT OFF#2	51EAF	RUKSC	RUKS	1	
141	PLUMBING	51EAA	LUKSD	LUKS	3	
141	PLUMBING	51EAA	RUKSD	RUKS	3	
141	PITOT STATIC ICE FREE		LUKT	LUKS	4	AAAAAAAAAA
141	PITOT STATIC ICE FREE		RUKT	RUKS	4	AAAAAAAAAA
141	SWITCH HEATER	51EAB	LUKTA	LUKT	A	
141	SWITCH HEATER	51EAB	RUKTA	RUKT	A	
141	RELAY HEATER	51EAC	LUKTB	LUKT	A	
141	RELAY HEATER	51EAC	RUKTB	RUKT	A	
141	LIGHT HEATER FAULTED	51EAD	LUKTC	LUKT	1	
141	LIGHT HEATER FAULTED	51EAD	RUKTC	RUKT	1	
141	RELAY STATIC HEAD	51EAE	LUKTD	LUKT	A	
141	RELAY STATIC HEAD	51EAE	RUKTD	RUKT	A	
141	WIRING	51EAG	LUKTE	LUKT	1	
141	WIRING	51EAG	RUKTE	RUKT	1	
141	TOTAL TEMP SENSE NO 1		LUKU	DCNR		AAAAAAAAAA
141	TOTAL AIR TEMP SENSING		LUKU	LUKL		AAAAAAAAAA
141	TOTAL TEMP SENSE NO 2		RUKU	DCNA		AAAAAAAAAA
141	TOTAL AIR TEMP SENSING		RUKU	RUKL		AAAAAAAAAA
141	TOTAL TEMP PROBE	51EFA	LUKUA	LUKU	A	
141	TOTAL TEMP PROBE	51EFA	RUKUA	RUKU	A	
141	SWITCH DE-ICE	51EFP	LUKUB	LUKU	0	
141	SWITCH DE-ICE	51EFP	RUKUB	RUKU	0	
141	SENSOR TEMPERATURE	51AAT	LUKUC	LUKU	A	
141	SENSOR TEMPERATURE	51AAT	RUKUC	RUKU	A	
141	WIRING	51EFD	LUKUD	LUKU	1	
141	WIRING	51EFD	RUKUD	RUKU	1	
141	STATIC PRESS DIST		UKV	DAV		AAAAAAAAAA
141	STATIC PRESS DIST		UKV	DAE		AAAAAAAAAA
141	STATIC PRESS DIST		UKV	DBD		AAAAAAAAAA
141	STATIC PRESSURE		UKV	DEA		55555555
141	PITOT PRESS DIST		UKW	GRD		AAAAAAAAAA
141	PITOT PRESSURE		UKW	DEA		22222222
141	INFO ONLY-GENERATOR FAILURE		UX	UX		F000000000
141	STARTER/GEN/HYD PUMP DRIVE	23CHC	UXACW	UAAK	A	
141	STARTER/GEN/HYD PUMP DRIVE	23CPC	UXACW	UHHF	A	
141	STARTER/GEN/HYD PUMP DRIVE	23CPC	UXACX	UABK	A	
141	STARTER/GEN/HYD PUMP DRIVE	23CBU	UXACX	UHRG	A	
141	STARTER/GEN/HYD PUMP DRIVE	23CLO	UXACY	UACK	A	
141	STARTER/GEN/HYD PUMP DRIVE	23CBC	UXACY	UHAC	A	
141	STARTER/GEN/HYD PUMP DRIVE	23CHC	UXACZ	UAOK	A	

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FLIGHT SAFETY PREDICTION TECHNIQUE

000000001111111111222222222233333333334444444444555555555566666666667777777777
1234567890123456789012345678901234567890123456789012345678901234567890
141 STARTER/GEN/HYC PUMP DRIVE 23060 UXACZ CHAD A
141 POWER ATTENUATION 02222 648 S111111111

CARD COUNT IS 00005254. CARDS WITH ERRORS 00000000